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As an educational association representative of members having similar purposes, the primary role of the AAMC is to assist those members by providing services at the national level which will facilitate the accomplishment of their mission. Such activities may include collecting data and conducting studies on issues of major concern, evaluating the quality of educational programs through the accreditation process, providing consultation and technical assistance to institutions as needs are identified, synthesizing the opinions of an informed membership for consideration at the national level, and improving communication among those concerned with medical education and the nation's health. Other activities of the Association reflect the expressed concerns and priorities of the officers and governing bodies.

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The information in this book is based on the most recent data provided at the request of the Association of American Medical Colleges (AAMC) by its member schools prior to publication deadlines. The material so supplied has been edited by the staff of the publication and in some instances condensed to meet limitations of space. In compiling this edition, the AAMC made every reasonable effort to assure the accuracy and timeliness of the information included in it, and, except where noted, the data and estimates were updated as of February 1982. All information contained herein, however, especially figures on tuition and expenses, is subject to change, and nothing included in this edition will be binding upon any of the medical schools listed or the AAMC. All the medical schools listed in this edition, like other educational institutions, are also subject to the requirements of federal and state laws prohibiting discrimination on the basis of race, color, religion, sex, age, handicap, or national origin. Such laws include Title VI of the Civil Rights Act of 1964, Title IX of the Education Amendments of 1972, Section 504 of the Rehabilitation Act of 1973, and the Age Discrimination Act of 1975, as amended. For the most current and complete information regarding costs, official policies, procedures, and other matters, the particular school in which the applicant is interested should be contacted.

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Foreword

The challenges afforded by a career in medicine today are both formidable and exciting. Medical education stands at the crossroads of social change and traditional knowledge. It is being challenged to produce more primary physicians, more medical scientists, and more physician specialists. Medicine is being asked not only to cure man's diseases but also to prevent their occurrence. We are being called upon to extend health care to those segments of society not now adequately served to attain the quality, quantity, and equality of health care that all people deserve. This is the framework in which to consider a career in medicine.

Half a century ago medical graduates entered directly into practice and found themselves called upon primarily to comfort patients and palliate suffering. They had few effective weapons against killer and crippling diseases. Since that time, research in medicine and the medical sciences has provided the modern physician with means to cure, control, and prevent many health scourges. But much remains to be done. Chronic and degenerative diseases now present a major threat to the nation's health and a challenge to research. Advance in biomedical knowledge is critical to the replacement of empirical approaches, with effective prevention, diagnosis, and treatment based on a real understanding of living systems and the changes induced by disease.

Simultaneously, with the emergence of medicine as a science, modern society has become more sophisticated in its awareness and appraisal of medical services. Scientific achievement means little unless it can be translated into care, which is both financially and geographically available to those who require its application.

In 1948 the United States, along with 54 other nations, signed the Charter of the World Health Organization, which, among other things, declares that good health is a fundamental right of every person and not a privilege reserved for one segment of society. Social legislation enacted in recent years applying this principle to the very old and the very poor has generated an unprecedented demand for medical services and a corresponding increase in cost. As we seek to extend this entitlement to the population at large, we must reappraise the traditional practice patterns and laissez-faire economics which have characterized health care delivery in the past.

The emergence of the health care team as a high-quality, cost-efficient vehicle for providing primary care promises new opportunities for students seeking careers in the health professions. As members of the team, physicians spend a great percentage of their time performing services that require a high level of education and training. Other health professionals on the team are assuming increased responsibility for care previously provided by physicians.

During the decade of the 1970s, the medical schools expanded rapidly in response to the demand for better access to all levels of health care. The number of applicants also expanded. By 1975 there were approximately three applicants competing for each entering position available. Since 1975 the expansion of available positions has continued, but the number of applicants has decreased; in 1983 it is anticipated that there will be approximately two applicants for each position. This approaches the average ratio experienced since World War II. The schools will continue to use multiple criteria in their effort to select students who have the intellectual ability and personal qualities deemed necessary to best serve the nation's need for physicians in the future.

In addition to providing more opportunities for qualified applicants to become physicians, medical schools are revising their curricula to cope with the ever-expanding body of medical knowledge. Medical students now find greater opportunities to explore in depth the subjects that particularly interest them. There is no monolithic pathway to a medical degree. The traditional boundaries between premedical and medical education, between the basic medical sciences and clinical training, and between medical education and specialty training are being blurred.

The foregoing defines only in part the extent to which modern medicine is actually a spectrum of functions, which include promotion of health, prevention of disease, diagnosis and treatment of disease, rehabilitation, basic and applied research, teaching, quality maintenance, and organization and delivery of health services. The students who are contemplating a career in the health sciences face excellent prospects for fulfillment, whether they seek a life of service in the finest tradition of medicine, a life committed to the exploration of new frontiers of knowledge, or a combination of both.

The advancement of medical education, with all of the ramifications that affect the medical profession and health sciences, is the basic tenet of the Association of American Medical Colleges (AAMC). Through research, communications, and service, the AAMC seeks to serve both the medical schools and the public. Its activities are diverse and wide ranging, including such broad areas as student studies and services, educational measurement and research, minority affairs, curriculum surveys, identification of educational resources, teaching hospital and health care services, operational studies such as financing and accounting, accreditation, international aspects of medical education, and publications, including newsletters, books, special reports, and the *Journal of Medical Education*. The Association also sponsors teaching institutes, conferences and workshops, and national and regional meetings of the institutional membership as well as those of the student affairs faculties. Its Annual Meeting, traditionally held in the fall, serves as a forum for discussion and action on matters of immediate and long-range interest to the nation's health, the AAMC, and its membership.

Many of the activities of the Association involve cooperation with other professional organizations and a large number of private and governmental agencies within the United States and abroad.

This annually revised *Medical School Admission Requirements* book provides current and official information on premedical preparation and admission to medical school. Its aim is to assist those students who aspire to a medical career and to help them approach their goals realistically. It is also a source of assistance to premedical advisers in giving sound, informative, and practical advice to their students.

This 33rd edition of *Medical School Admission Requirements* contains current information from 123 medical schools in the United States, 3 in Puerto Rico, and 16 in Canada. It should be noted that all references made to U.S. medical schools are also applicable to the Puerto Rican medical schools listed in Chapter 10. In making this information available, the AAMC hopes that individuals considering careers in medicine will be better informed of the opportunities available and more capable of realistically assessing their chances for admission.

John A. D. Cooper, M.D., Ph.D.
AAMC President

Chapter 1

The Nature of Medical Education

Programs of medical education that award the degree of doctor of medicine in the United States and Canada are accredited by the Liaison Committee on Medical Education (LCME). This voluntary accrediting agency is sponsored by the Association of American Medical Colleges and the American Medical Association. All state medical practice laws recognize the accreditation status conferred by the LCME on the medical schools, and holders of the M.D. degree awarded by them are provided the opportunity for licensure subject to certain examinations and other requirements imposed by each state. The LCME has traditionally avoided narrowly dictating curriculum content and has encouraged institutions, while meeting national minimal standards of quality, to approach the education of physicians in a variety of ways. This philosophy has led to a significant diversity of educational approaches. The extent of this diversity may be observed in the annual *AAMC Curriculum Directory*, which provides details about the curriculum of each U.S. and Canadian medical school. (Further information about this publication may be found on page iv.)

The M.D. Curriculum

Medical school curricula, although quite varied, have as their goal the preparation of students to enter a three- to five-year period of graduate medical education. To accomplish this, instruction is provided in anatomy, biochemistry, physiology, microbiology, pharmacology, pathology, and behavioral sciences during the first several academic periods after matriculation. These "basic sciences" may be taught independently by departmental faculties, or they may be taught by interdisciplinary groups of faculty. The interdisciplinary approach often focuses on organ systems. In this approach, instruction in anatomy, biochemistry, physiology, pharmacology, and pathology of an organ system, such as the heart and blood vessels, is integrated with the normal and abnormal functions of the system. Whether the basic sciences are taught by discipline or in an interdisciplinary fashion, there is a major emphasis in almost all medical schools on introducing contact with clinical problems early in the curriculum. In some schools students begin to learn in their first year how to interview and examine patients; in other schools clinical contact is at first limited to demonstrations of patients by faculty. In all schools, however, by the third semester or fifth quarter, students have begun to learn how to obtain historical data from patients and conduct physical and selected basic laboratory examinations.

The last four semesters (six quarters) are usually devoted to education in the clinical setting. The immediate and specific aims of clinical training are to enable the student to establish desirable physician-patient relationships, to take a medical history, to conduct a physical examination, and to recognize the more familiar disease patterns. The overall aim, however, is to develop in the student both an understanding of the patient as a total human being and the sense of professional maturity medicine demands.

The length and number of required clinical educational periods (clinical clerkships) vary from school to school. Clinical clerkships are usually required in internal medicine, pediatrics, surgery, obstetrics-gynecology, and psychiatry. Family medicine is also required in many schools. Clerkships vary in length from about two to twelve weeks. During clerkships, students are usually assigned to a hospital service where they assume responsibility for "working-up" and presenting to the faculty a specified number of cases each week. Students also participate with post-M.D. trainees (residents) and faculty in caring for patients admitted to the clinical service to which they are assigned. When feasible, students are provided the opportunity to follow their patients after discharge from the hospital in the ambulatory clinics of the institution. In these first clerkships, basic science knowledge and initial clinical skills are applied to the solution of diagnostic and treatment problems. Lectures and seminars augment the bed-side learning provided during patient rounds with teaching physicians.

As students progress through these early clinical experiences, the range of opportunity for career development becomes apparent. Elective courses in the basic, behavioral, and clinical sciences permit students to explore career options. In many institutions, courses taken in other colleges of the university may be applied for credit toward the M.D. degree. Depending upon individual interests and talent, students are provided the opportunity to arrange part of their programs. During the first four semesters, the opportunity for taking electives varies greatly among the schools. In the last two semesters before graduation, many schools permit students to arrange their entire program on an elective basis. Clinical electives include clerkships in the primary specialties and in their many subspecialties. Elective opportunities in clinical settings are often provided in other academic centers or in nonacademic settings. These may vary from a preceptorship with a practicing physician to a period of time spent in an ambulatory clinic specifically programmed for education. Such settings allow students to become acquainted with the career possibilities of the medical specialties of their interest.

At present a major emphasis is placed on encouraging students to develop careers in the primary care specialties of family medicine, general internal medicine, and general pediatrics. This emphasis should not, however, deter students with interests in research and/or teaching from seeking the M.D. degree. There is also a need for well prepared physician-scientists to translate the rapid advances in biomedical knowledge into clinical applications.

Evaluation, Promotion, Graduation

Each medical school's faculty is responsible for establishing the criteria for evaluating student performance, promotion, and graduation. Many faculties have written explicit learning objectives for each course or segment of the curriculum. Determining whether students have met these objectives is accomplished by a combination of direct observation and written and/or oral examinations. The frequency and pattern of evaluation vary from institution to institution. Some form of year-end comprehensive exam is often required. Sixty-two schools currently require students to pass Part I of the National Board of Medical Examiners examinations at the end of their basic science sequence. Forty-six schools require students to pass Part II of the National Board of Medical Examiners examinations to graduate.

Grading in approximately three quarters of the schools is pass/fail or honors/pass/fail. Regardless of the pattern or frequency of evaluation used, individual students' abilities are carefully scrutinized. This is particularly true in the clinical clerkships where one-to-one relationships between faculty and students permit close observation. Although student evaluation is rigorous, the rate of attrition in U.S. medical schools is low—less than 5 percent. Students with detected deficiencies in knowledge or skills are provided counseling and assistance. Usually, students who are having difficulty are offered the opportunity to repeat course work. However, all faculties reserve the right to drop students whose academic or personal characteristics are found to be incompatible with the professional responsibilities of a physician in our society.

Graduate Medical Education

Exposure to the various branches and aspects of medicine helps students to determine the course their education will take during their residency years. For students who have made a career decision to practice in a medical or surgical specialty, the requirements of the certifying board in that particular specialty will mold the choice of their first graduate year program. Specialties such as internal medicine, family medicine, pediatrics, and surgery encourage students to enter directly into first graduate year programs in that specialty and to continue in these programs until they have completed specialty board requirements. Satisfactory completion of three years of training in internal medicine, family medicine, or pediatrics generally qualifies an individual to sit for examination for the certifying boards of these specialties. Surgery requires four or more years of training depending upon the subspecialty chosen.

Students seeking careers in other specialties will find that they are encouraged or required to spend their first graduate year in a program offering a broad clinical experience. Examples of these specialties are anesthesiology, psychiatry, radiology, and dermatology. Usually these students will apply for a single year of internal medicine or for a diversified or flexible first graduate year with the expectation that they will enter a program in the specialty of their choice in their second graduate year. In some cases a year of broad clinical experience may be located in the same institution where subspecialty training occurs. In other instances, students must negotiate for a broad clinical first graduate year in one institution and complete their specialty training elsewhere.

By the beginning of their second graduate year, almost all students have made a career decision regarding the area of medicine in which they will specialize. The majority will eventually seek certification by one of the 23 specialty boards. Some will take one to two years of additional training in a subspecialty and will seek recognition for special competence in that subspecialty. Details regarding requirements for specialty certification can be found in the *Directory of Residency Training Programs*, published by the American Medical Association for the Accreditation Council for Graduate Medical Education. This publication is on file in medical libraries. Additional information can be obtained by writing to the respective boards at the addresses listed in the *Directory*.

Special Programs

Individual medical schools offer a number of special programs. Many of these are listed in the *AAMC Curriculum Directory*. Specific details of the characteristics of a school's special programs may be obtained from that school. Several of the most common special programs are described below.

B.A. or B.S./M.D. Degree Programs. In 1981-82, 12 U.S. medical schools provided limited programs beginning after high school that combined undergraduate college study and medical education. (These schools are listed in Table 9 in Chapter 9.) Students are admitted provisionally to these programs based upon their high school credentials and, if their performance is satisfactory, are permitted to progress to the M.D. degree. This generally requires six years. In some schools seven years are needed. Students interested in pursuing this type of program should request information from the prospective medical school as early as possible.

Accelerated Programs. Various options for accelerating the standard four-year medical school curriculum exist in some institutions. Since these options vary among schools, interested students should investigate the possibilities by consulting the appropriate curriculum officer at the institutions to which they intend to apply.

Research Training. There is a continuing need for physicians who have ability both to conduct research and interpret research findings. Students interested in research will find that most faculties are highly receptive to allowing them to engage in research projects. Depending upon the availability of resources and the student's willingness to invest time in research, programs ranging from a few months to a year or more often can be arranged. These opportunities can be utilized by students to explore their creative talents in biomedical research. Such explorations can help students decide whether to pursue preparation for a career in academic medicine during graduate medical education.

M.D.-Ph.D. Degree Programs. In 1981-82, 94 schools provided students the opportunity to learn both the M.D. and the Ph.D. in an area pertinent to medicine. The extent to which the M.D. course work and the Ph.D. course work are integrated differs with each program.

Medical Scientist (M.D.-Ph.D.) Training Program. In recognition of a national need for medical scientists trained in both basic and clinical sciences, the National Institute of General Medical Sciences supports a combined M.D.-Ph.D. program, known as the Medical Scientist Training Program (MSTP), at 24 schools. The goal of the MSTP is to provide combined scientific and medical training to highly motivated students with outstanding research and academic potential.

Medical scientists differ from most basic scientists in having had the medical training required to investigate human diseases. They differ from most clinicians in having had extensive research experience and training in appropriate physical, biomedical, and behavioral sciences. The federal government supported approximately 650 students in Medical Scientist Training Programs in 1980. Approximately 120 new positions become available in the programs each year.

Most institutions that offer the MSTP require, in addition to evidence of high academic performance, significant evidence of prior research experience. Students may enter the MSTP directly after college or during the first two years of either their medical or graduate training. The candidate must be a citizen or a noncitizen national of the United States or have been lawfully admitted for permanent residence at the time of appointment.

Selection for the programs is highly competitive; for those selected the federal program provides a stipend of $5,040 a year, tuition, and modest sums for travel and supplies. A listing of program directors for the 24 schools and other information about the MSTP may be obtained by writing to:

Program Administrator
Medical Scientist Training Program
Room 907, Westwood Building
National Institutes of Health
Bethesda, Maryland 20205
Telephone: (301) 496-7563

Independent Study. Several schools provide an option for students to pursue required courses of study at their own pace, using learning techniques of their own choosing. Characteristically, students engaged in independent study must meet periodically with faculty tutors to demonstrate their progress and must pass the comprehensive exams required of all students for promotion and graduation.

M.D.-J.D. Degree Programs. In 1981-82, four schools (Duke, Indiana, University of Pennsylvania, and Yale) offered programs that allowed the student the opportunity to earn both the M.D. and the J.D. degrees.

Chapter 2

Premedical Planning

This chapter presents general recommendations for the college student who is looking ahead to medical school and seeking information about criteria for admission in order to plan a program that satisfies academic requirements as well as enhances the student's own intellectual, personal, and social development. Supplementary information for students from minority groups traditionally underrepresented in medicine is presented in Chapter 7. Those who are in the very early stages of educational planning for careers in medicine will be interested in the suggestions for high school students given in Chapter 9.

A variety of factors contribute to the decision-making process of selecting medical school applicants (some of these are discussed in Chapter 3), but it should be emphasized that many medical schools are increasingly concerned with nontraditional and noncognitive characteristics of applicants. As medical schools respond to national social issues and problems in health care delivery, an effort is being made to select individuals whose personal and career goals are compatible with the needs of society. Major curriculum revisions at some institutions are designed to encourage students to pursue (1) careers in primary care medicine and (2) careers in underserved geographical areas. Schools are also attempting to broaden the socioeconomic diversity of entering medical school classes and to expand educational opportunities for men and women who are members of racial/ethnic groups that have been underrepresented in medicine. Prospective applicants should give careful attention to the individual selection factors and school characteristics in Chapter 10.

The Undergraduate Academic Program

The medical profession needs individuals from diverse educational backgrounds who will bring to the profession a variety of talents and interests. Educational philosophies and goals, systems of training, and specific undergraduate course requirements and other qualifications for admission vary among the nation's medical schools. All, however, recognize the importance of a broad education—a strong foundation in the natural sciences (biology, chemistry, mathematics, and physics), highly developed communication skills, and a solid background in the social sciences and humanities.

Principles and vocabularies of the sciences basic to medicine must be understood by first-year medical students. A thorough understanding of modern concepts in biology, chemistry, and physics is necessary since the study and practice of medicine are based on these disciplines. Candidates for medical school must study in these areas in order to (1) confirm their interest in and capacity for proceeding further in these fields, (2) enable medical schools to estimate their achievement and potential in these areas, and (3) meet the requirements of state laws governing physician licensure.

Although only a small number of medical schools demand a specific course sequence in mathematics, all value mathematical competence, and many require or strongly recommend mathematics courses.

Mathematics courses provide a good basis for the student's understanding of rigorous courses in chemistry, physics, and modern biology. Increasing numbers of medical curricula also utilize computer theory and statistics.

Refined communication skills—the use and understanding of written and spoken language—are essential, both for the study of medical disciplines and for communication with patients. Effective communication is the foundation of a physicisn's successful relationship with the public and with other professionals.

Students planning a career in medicine are also advised to study the humanities and the social and behavioral sciences. These disciplines form the core of what is known about the macroscopic human existence—history, achievements, ideals, and ambitions. Moreover, they are complementary to the study of molecular aspects of human development and can help one achieve an understanding of self and of others. Attitudes, values, and motivations are important determinants of behavior in sickness as well as in health.

How then does one achieve the basic goals of college and satisfy the academic requirements for admission to medical school? In Chapters 10 and 11 each medical school presents information about its specific requirements, alternatives, and special programs. Schools try to limit absolute admission requirements to allow latitude for individualized undergraduate programs of study. Table 2-A shows that organic and inorganic chemistry, physics, English, and biology are the most common subjects required in undergraduate education by U.S. medical schools.

Most medical schools require a minimum of three years of undergraduate college work before entrance to their regular M.D. programs. Most entering medical students, however, have four years of college and a bachelor's degree.

The Undergraduate Major

Most applicants and most entering medical students have majored in one of the sciences, frequently in an area of biology or chemistry. Majoring in science provides some advantages to students who plan to apply to medical school: undergraduate degree requirements may coincide with courses required for admission, and intensive preparation in one of the sciences should form a strong foundation for basic medical school courses. It is understandable that many of those who are planning careers in the science-oriented field of medicine will want to choose such a major field of study.

Table 2-A

Subjects Required by 10 or More U.S. Medical Schools, 1983-84 Entering Class[*]

Required Subjects	No. of Schools (N = 126)[†]
Organic chemistry	120
Physics	120
English	89
Inorganic chemistry	76
Biology (unspecified)	69
General biology or zoology	51
General or inorganic chemistry	33
Calculus	25
College mathematics	25
Humanities (unspecified)	15
Chemistry (unspecified)	11
College algebra	10
Social science (unspecified)	10

[*] Figures based on data provided fall 1981.

[†] Six of the 126 medical schools (Arkansas, Southern Illinois, University of Illinois, Missouri—Kansas City, North Carolina, and Northeastern Ohio) did not indicate specific course requirements and are not included in the tabulations.

It should be strongly emphasized, however, that a science major is not a prerequisite for medical school, and students should not major in science simply because they believe this will increase their chances for acceptance. Medical schools are most concerned with the overall quality and scope of undergraduate work. The schools also recognize the desirability of including students with a broad variety of interests and backgrounds in medical school classes. It is true that nonscience majors who take as electives a minimum number of science courses to meet medical school requirements must do well in those courses to ensure adequate preparation and favorable consideration by admission committees. For most physicians, however, the undergraduate years are the last opportunity in their lives to pursue in depth a nonscience subject of interest, and all who hope to practice medicine should bear this in mind when selecting an undergraduate major.

Table 2-B indicates that, while there is some variation at the national level in the success rates of applicants from different major fields of study in liberal arts programs, those majoring in certain areas of the humanities, for example, fared as well or better in gaining acceptance to the 1980-81 entering class as applicants majoring in certain scientific disciplines. These data also show, however, that students who concentrated in such professional fields as medical technology, nursing, and pharmacy were less successful than other applicants in gaining admission to medical school that year.

Currently only about one-half of those who apply to medical schools can expect to be accepted. Therefore, prospective applicants are strongly urged to confer with their premedical advisers concerning (1) the selection of a college major and of specific courses and (2) the early preparation for alternate careers in the event that they decide not to apply to medical school or are not admitted. In other words, all students planning a career in medicine should allow sufficient flexibility in their undergraduate programs for alternative career options (see Chapter 8).

Selection Factors

Decisions about the undergraduate academic program, discussed in the preceding sections, can be made more realistically if the student knows more about the medical school selection process. Admission committees do not seek a stereotyped, ideal combination of characteristics in their applicants; diversity within the entering class is considered highly desirable. Chapter 3 discusses specific considerations for choosing medical schools to which application should be made. The following paragraphs present a general discussion of the intellectual, personal, and social traits rated most highly by medical schools in choosing their students.

The entries of all the medical schools in Chapters 10 and 11 refer to a desired high level of scholastic achievement and intellectual potential. These are measured, as discussed in Chapter 5, by college grades, particularly science grades; recommendations from undergraduate faculty, including premedical advisers; Medical College Admission Test (MCAT) scores; and occasionally the use of psychological tests of educational development, mental aptitude, and nonintellectual qualities.

College grades are perhaps the most important single predictor of medical school performance, although medical schools do recognize that grading policies may differ from one college to another or even within departments of the same institution. As shown in Table 2-C, most first-year medical students from 1976-77 to 1980-81 had achieved undergraduate averages of A or B. In 1980-81 only 1.8 percent of the first-year students for whom undergraduate grades are known (98 percent) had averages of C (below 2.6). The mean undergraduate grade-point average (GPA) of first-year entrants during the 1970s and early 1980s was approximately 3.5 or a high B+. The C students admitted in recent years were usually individuals who either achieved strikingly improved performances in their undergraduate studies after modest beginnings in their early years of college or demonstrated other characteristics deemed desirable for medicine by the various medical school admission committees.

It is also important for students to demonstrate an understanding of course content in ways other than by grades achieved. For example, the student who undertakes special projects or independently investigates questions raised in course work may provide evidence of ability that is not reflected by grades alone.

There is a universal feeling that medicine demands superior personal attributes of its students and practitioners. Integrity and responsibility assume major importance in the research laboratory and classroom as well as in relationships with patients and colleagues. Medical schools also look for evidence of other traits such as leadership, social maturity, purpose, motivation, initiative, curiosity, common sense, perseverance, and breadth of interests.

As discussed previously, anyone who is

Table 2-B

Acceptance to Medical School by Undergraduate Major, 1980-81 Entering Class

	Total Applicants		Accepted Applicants	
Undergraduate Major	No.	% of Total	No.	% of Major
Biological Sciences				
Biology	13,609	37.7	6,107	44.9
Microbiology	936	2.6	424	45.3
Physiology	289	0.8	123	42.6
Science (other biology)	148	0.4	64	43.2
Zoology	1,957	5.4	885	45.2
Subtotal	16,939	46.9	7,603	44.9
Physical Sciences				
Biochemistry	1,519	4.2	915	60.2
Biomedical engineering	258	0.7	167	64.7
Chemical engineering	267	0.7	148	55.4
Chemistry	4,291	11.9	2,327	54.2
Chemistry and biology	598	1.7	290	48.5
Electrical engineering	169	0.5	77	45.6
Mathematics	369	1.0	208	56.4
Natural sciences	401	1.1	226	56.4
Physics	238	0.7	132	55.5
Science (general)	195	0.5	103	52.8
Subtotal	8,305	23.0	4,593	55.3
Nonscience Subjects				
Anthropology	147	0.4	71	48.3
Economics	171	0.5	99	57.9
English	313	0.9	154	49.2
Foreign language	193	0.5	90	46.6
History	220	0.6	118	53.6
Philosophy	135	0.4	72	53.3
Political science	110	0.3	51	46.4
Psychobiology	273	0.8	130	47.6
Psychology	1,423	3.9	659	46.3
Sociology	119	0.3	56	47.1
Subtotal	3,104	8.6	1,500	48.3
Other Health Professions				
Medical technology	425	1.2	116	27.3
Nursing	331	0.9	120	36.3
Pharmacy	555	1.5	198	35.7
Subtotal	1,311	3.6	434	33.1
Mixed Disciplines				
Double major (science)	557	1.5	293	52.6
Double major (science and nonscience)	539	1.5	283	52.5
Interdisciplinary studies	114	0.3	64	56.1
Premedicine	1,221	3.4	621	50.9
Preprofessional	182	0.5	106	58.2
Subtotal	2,613	7.2	1,367	52.3
Other*	3,828	10.7	1,649	43.0
Total	36,100	100.0	17,146	47.5

*Those applicants not reporting an undergraduate major are included in "Other".

considering a career as a physician must be able to develop the ability to relate to people effectively. A new dimension of the need of this ability has developed with the increasing emphasis on a team approach to medical care.

Because of the demanding nature of both the training for and the practice of medicine, motivation is perhaps the most salient nonintellectual trait sought by most admission committees. It is assumed that a qualified applicant to medical school will have not only a general understanding of the profession but also a demonstrated interest in and knowledge of what the field of medicine encompasses. Prospective applicants should be sure of their answers to such questions as: "Why do you want to be a physician?" "Do you know or can you imagine what it would be like to spend most of your time with people who are sick?"

The personal and social traits that medical school admission committees seek are difficult to measure. Each school has its own formal or informal standards and recognizes that the student who would be happy and productive in one school setting would not necessarily be so in another. Nonintellectual characteristics are usually evaluated by reports from undergraduate colleges, interviews, application forms, and autobiographical sketches; few schools employ interest and personality inventories.

In all aspects of premedical planning, the prospective medical student is encouraged to consider not only the information and advice contained in this publication but also the resources and counseling available from undergraduate premedical advisers. Another source, of value to both applicants and advisers, is the annual medical education issue of the *Journal of the American Medical Association*. Copies of the 1980-81 issue (Vol. 246, No. 25, December 25, 1981, Order No. OP-104) are available for $5.00 plus $2.00 shipping and handling from: Order Unit, American Medical Association, P.O. Box 821, Monroe, Wisconsin 53566. Also the Association of American Medical Colleges publishes in the *Journal of Medical Education* a descriptive study of medical school applicants. The latest study, a report on the 1977-78 academic year, was published in the September 1979 issue of the *Journal* (Vol. 54, No. 9). In addition, prospective applicants might review the "Datagram" published in the January 1980 issue of the *Journal of Medical Education* (Vol. 55, No. 1) for information on applicants to the 1978-79 entering medical school class.

If, on the basis of the information gained from sources such as those suggested above, a student concludes that medicine may be an unrealistic goal, early consideration should be given to alternative careers. The position of the unsuccessful applicant (discussed in Chapter 8) is a frustrating one, and realistic, early planning may help many students direct their energies toward other productive and satisfying careers.

Table 2-C

Undergraduate Grades of First-Year U.S. Medical Students, 1976-77 Through 1980-81

	Percentage of Medical Students with Premedical Grade Averages of:*		
First-Year Class	A (3.6-4.0)	B (2.6-3.5)	C (Below 2.6)
1976-77	46.0	47.3	2.7
1977-78	50.4	43.0	1.6
1978-79	49.6	46.9	1.7
1979-80	49.2	47.2	1.8
1980-81	47.5	48.5	1.8

Source: Liaison Committee on Medical Education Annual Questionnaire, Part 1, American Medical Association.

*Grades not reported account for the remaining percentage of students (less than 5 percent of each of the above classes).

Chapter 3

Deciding Whether and Where To Apply to Medical School

"Is a career as a physician what I really want?" Reasonable certainty of an affirmative answer to this question is the single most important element of the decision to apply to medical school. Other ways of asking this question put this fundamental decision into different perspectives. "Do I want to work primarily with sick people?" "Do I want to spend at least five to seven years after college as a student, studying harder and longer than I ever have, to prepare for a career that will make extraordinary demands on my time and intellectual and emotional resources for the rest of my life?" (See Chapter 1 for an overview of the medical education process.) "Do others (parents, friends, teachers) want me to be a physician more than I want it for myself?"

Students should examine the attitudes and motivations suggested by the answers to these questions. If convinced that they genuinely want to study and practice medicine, they then must decide whether a moderately good chance exists for their being accepted to medical school, and, if so, where to apply. Regardless of commitment and motivation, students with no realistic chance for admission who insist on applying to medical school needlessly waste the time, money, and energy of many people—most importantly their own. The following information is provided for students who wish to assess their chances for success and to consider which medical schools offer them the best prospects for admission.

Chances for Acceptance

A major step in deciding whether it is worth applying to medical school is to make a realistic appraisal of one's chances for being admitted.

Although many factors other than college grades and test scores enter into the admission decision, it is unquestionably true that these two factors receive considerable attention in the preliminary review of each application. In recent years, over 70 percent of accepted applicants have had undergraduate grade-point averages (GPAs) of 3.3 or above. The majority of accepted applicants with GPAs below 3.3 have achieved relatively high scores on the nationally standardized pre-admission examination for medical school applicants, the Medical College Admission Test (MCAT). Table 3-A displays the acceptance rate for applicants to the 1980-81 entering class with various combinations of GPA and MCAT credentials. Additional information about MCAT score distributions is provided to admission officers and premedical advisers. Students, in consultation with their premedical advisers, should be able to determine whether scores achieved on the MCAT are sufficiently competitive to compensate for relatively low grades. It is understood that grades do not always measure a student's true ability; extenuating circumstances, such as prolonged illness or the need to work while in school, may also affect one's academic performance. But less than 10 percent of recently accepted applicants have had GPAs below 3.0. Students with overall GPAs below this level, regardless of test scores and extenuating circumstances, should seriously question whether they have a reasonable chance for admission to medical school.

The relationship between MCAT test performance and performance in specific undergraduate courses can be evaluated through the examination of individual test scores. Separate scores are reported in each of three science areas—biology, chemistry, and physics. A low score in physics, for example, may be easily explained if a student has not completed introductory college-level physics prior to taking the test. Admission committees will take such circumstances into consideration when evaluating an application.

It should be emphasized again that the medical school considers not only grades and test scores but also such factors as personality, character, place of residence, career plans, letters of evaluation, stringency of course work, interview impressions, and whether the applicant is from a disadvantaged background or a racial ethnic group underrepresented in the practice of medicine.

Other factors being equal, however, the applicant with low grades or low test scores or both should give very serious consideration to whether it is even appropriate to apply to medical school. In reaching this decision, students are encouraged to consult their premedical advisers, who ordinarily have access to pertinent data regarding the success of applicants from their institutions.

Characteristics of Schools

Students who have determined that it is worthwhile to seek admission to a U.S. or Canadian medical school must next decide where to apply.

All medical schools listed in this book maintain the high standards necessary for accreditation by the Liaison Committee on Medical Education. Most have essentially the same basic undergraduate course requirements, and all seek to admit students with strong intellectual abilities and personal and social maturity.

The Association of American Medical Colleges (AAMC) and its member schools strongly endorse the principle of equal opportunity for education and practice in the health professions without regard to sex, age, race, creed, national origin, or handicap. (See AAMC Position on Equal Opportunity.)

Medical schools have differing policies and practices, however, with respect to other factors. They vary, for example, with respect to policies and requirements regarding state or regional residence. They also vary considerably in such characteristics as size of student body, size of faculty, number and type of patients with whom

(Text continued on page 16.)

AAMC Position on Equal Opportunity

The Association strongly reaffirms the principle of equal opportunity for individuals who are qualified for education and training in, and the practice of, the health professions, without regard to sex, race, creed, color, national origin, age, or handicap. In pursuit of this principle and policy, the AAMC:

1. Requests member institutions to continue to monitor their admission policies and practices to insure equal opportunity of admission to their educational and training programs.
2. Requests member institutions to continue to undertake and to reinforce programs of affirmative action to increase the numbers and proportions of students in the health professions from groups which are presently underrepresented in those professions.

Further, recognizing that the underrepresentation of some groups in health professions educational and training programs is but a symptom of broad social and economic problems, the AAMC:

1. Actively supports the organized study of the basic causes of underrepresentation and possible cures.
2. Actively supports the initiation of new programs, and the broadening of existing programs, which are designed to overcome these problems. These programs include, but are not limited to, those designed to permit women to fulfill their educational-professional goals and their cultural roles without sacrifice to either, programs design to eliminate economic barriers to education in the health professions, and programs designed to develop increased interest in careers in the health professions on the part of members of underrepresented groups at the secondary school and college levels.

Table 3-A

Distribution of Acceptees/Applicants by Undergraduate College GPA and by Scores on the MCAT, 1980-81 Entering Class*

Overall GPA (and Letter Grades)	Scores on the Medical College Admission Test								
	1-4	5	6	7	8	9	10	11	12-15
	Biology Scores								
4.00 (A)	1/2	2/5	7/12	11/18	36/44	56/63	67/70	100/105	73/78
3.30-3.99 (A- & B+)	47/240	106/417	295/846	951/2,056	1,637/2,826	2,680/4,024	2,760/3,698	2,266/2,800	1,115/1,270
3.00-3.29 (B)	18/260	60/350	81/539	235/1,070	356/1,233	540/1,483	483/1,177	378/736	156/261
2.30-2.99 (B- & C+)	33/536	67/578	119/703	188/1,003	195/894	228/977	188/658	130/385	54/136
2.00-2.29 (C)	6/149	4/90	6/82	16/98	5/67	7/48	7/34	3/15	2/7
0.00-1.99 (below C)	0/37	0/23	3/21	1/11	2/14	0/8	0/1	1/3	0/1
	Chemistry Scores								
4.00 (A)	0/0	3/5	1/7	10/17	18/24	35/40	62/69	91/99	133/136
3.30-3.99 (A- & B+)	28/168	90/374	249/812	735/1,772	1,366/2,615	2,420/3,719	2,376/3,249	2,487/3,065	2,106/2,403
3.00-3.29 (B)	9/207	48/367	118/635	261/1,101	376/1,339	520/1,488	423/988	337/655	215/329
2.30-2.99 (B- & C+)	34/523	93/712	131/862	214/1,064	228/933	216/871	142/518	82/246	62/141
2.00-2.29 (C)	4/126	3/126	7/102	16/86	8/68	8/43	4/17	4/13	2/9
0.00-1.99 (below C)	0/38	0/29	2/18	1/11	2/7	2/10	0/2	0/2	0/2
	Physics Scores								
4.00 (A)	1/2	2/2	3/8	15/21	31/43	40/44	55/60	79/84	127/133
3.30-3.99 (A- & B+)	62/265	218/782	413/1,201	978/1,988	1,703/2,938	2,277/3,337	2,286/3,028	2,105/2,573	1,815/2,065
3.00-3.29 (B)	39/261	99/591	168/807	247/1,080	401/1,340	443/1,215	399/890	293/561	218/364
2.30-2.99 (B- & C+)	70/653	157/928	152/883	180/974	201/848	169/718	121/458	88/251	64/157
2.00-2.29 (C)	6/153	6/142	12/94	10/70	6/53	9/46	4/17	1/7	2/8
0.00-1.99 (below C)	0/37	2/35	0/13	3/16	2/11	0/2	0/2	0/2	0/1

NOTE: Table excludes 10 percent of applicants and 8 percent of acceptees with unreported grades and/or MCAT scores.

Table 3-A (Continued)

Distribution of Acceptees/Applicants by Undergraduate College GPA and by Scores on the MCAT, 1980-81 Entering Class*

Overall GPA (and Letter Grades)	Scores on the Medical College Admission Test								
	1-4	5	6	7	8	9	10	11	12-15
					Science Problems Scores				
4.00 (A)	1/1	2/5	1/5	9/15	27/38	44/48	81/90	71/73	117/122
3.30-3.99 (A- & B+)	39/211	89/387	332/1,047	679/1,696	1,664/3,068	2,363/3,566	2,772/3,648	2,177/2,594	1,742/1,960
3.00-3.29 (B)	22/247	52/324	125/776	210/984	391/1,401	492/1,390	485/1,093	332/598	198/296
2.30-2.99 (B- & C+)	36/600	89/608	164/942	184/937	220/991	204/830	149/548	105/283	51/131
2.00-2.29 (C)	4/152	4/98	12/123	13/80	6/51	9/45	5/22	2/14	1/5
0.00-1.99 (below C)	0/42	0/21	1/24	2/11	2/7	2/9	0/2	0/2	0/1
				Skills Analysis: Reading Scores					
4.00 (A)	3/4	1/3	6/9	17/25	31/39	78/87	99/105	80/86	38/39
3.30-3.99 (A- & B+)	103/322	155/461	355/841	1,006/1,983	1,927/3,268	3,146/4,646	2,556/3,456	1,963/2,438	646/762
3.00-3.29 (B)	54/264	58/322	109/490	262/1,056	355/1,344	578/1,675	459/1,118	329/655	103/185
2.30-2.99 (B- & C+)	61/598	80/486	105/555	216/1,025	208/1,077	214/1,036	168/676	113/323	37/94
2.00-2.29 (C)	9/147	6/89	6/70	10/95	9/79	8/62	5/26	2/16	1/6
0.00-1.99 (below C)	2/41	0/20	0/12	3/18	0/12	2/10	0/3	0/1	0/2
				Skills Analysis: Quantitative Scores					
4.00 (A)	1/2	2/6	7/11	22/23	39/55	40/46	91/95	85/90	66/69
3.30-3.99 (A- & B+)	95/323	178/553	433/1,035	1,015/2,061	1,972/3,423	2,289/3,337	2,847/3,735	1,959/2,441	1,069/1,269
3.00-3.29 (B)	75/335	98/455	112/577	223/933	397/1,462	447/1,286	482/1,093	307/694	166/274
2.30-2.99 (B- & C+)	100/778	119/666	122/703	173/848	196/1,038	168/772	161/590	105/326	58/149
2.00-2.29 (C)	9/191	5/90	11/83	7/80	13/66	6/37	1/17	3/23	1/3
0.00-1.99 (below C)	2/46	1/22	2/14	1/14	1/10	0/6	0/5	0/1	0/1

*In each fraction, the numerator is the number of acceptees with indicated grades and MCAT scores, and the denominator is the number of applicants with these characteristics.

medical students are allowed contact, general philosophy of education, geographical location, sources of financial support, and opportunities for special activities such as research. Moreover, they vary in opportunities for postgraduate study and in the kinds of careers generally followed by their graduates.

Ultimately, the burden rests with the individual student to evaluate medical schools in relation to personal interests and abilities and the schools' selection criteria and practices. Such an evaluation should render a choice of those schools that meet personal goals and qualifications and where the level of competition indicates realistic chances of success. Students who plan their college programs with particular medical schools in mind should naturally investigate the policies and preferences of those schools. Potential applicants are urged to study individual school entries in Chapter 10 and school catalogs and to confer with their premedical advisers, who frequently have personal knowledge about characteristics of various schools. The remaining sections of this chapter, which discuss selection factors other than grades and test scores, are designed to provide additional assistance with school selection.

State and Regional Residence Policies

Residence restrictions, noted in the individual entries in Chapter 10, are generally firm and not subject to change or to the discretion of admission committees. Usually a state supported medical school is required by law to give preference to residents of that state, and there is a growing trend for state supported schools to consider nonresidents only under the Early Decision Plan (see Chapter 5). The school may even have a quota system by counties or regions of the state. Residents usually pay a substantially lower tuition in publicly supported schools.

The following circumstances regarding residence must also be considered. Some private schools give significant preference according to residence, particularly if the schools receive financial support from their state governments. Some schools participate in interstate and regional agreements that give special consideration to residents of certain states, particularly states that have no medical schools. (See below.)

In recent years the percentage of first-year in-state students has risen in both public and private medical schools. Table 3-B shows the percentage of state residents entering 1981-82 first-year classes. Ninety-three percent of public medical school entrants and 50 percent of private medical school entrants in 1981-82 were state residents. Overall, 75.4 percent of 1981-82 first-year students entered schools within their own states as compared with 70 percent in 1971-72.

Clearly, applicants should recognize that their best chances for admission are at public or private medical schools within their own states. Selection by a public school in another state is highly improbable unless the nonresident candidate has exceptionally strong credentials.

Students should not allow their choice of schools to be determined by the area of proposed future residence in the mistaken belief that the privilege of practice there will be difficult to obtain otherwise. Medical schools are considered a national resource, and a graduate of any U.S. medical school should encounter no difficulty establishing a private practice in any state or region of the United States.

In view of the strong relationship between geographical residence and chances for admission, applicants are strongly urged, if uncertain, to clarify their official residency status with the schools of their choice prior to making formal application. In most instances, the committee on admission will be responsible for official residency rulings regarding medical school applicants or will know what university office is responsible. University definitions of residency status may not always be identical with definitions of "legal residency" for other purposes (for example, liability for payment of state income taxes or voting registration).

The individual school entries in Chapter 10 present nonresident statistics and indicate any preference given to applicants on the basis of residence.

Following are brief descriptions of four interstate agreements which provide special opportunities for residents of some states.

WICHE. Students from Alaska, Mon-

(Text continued on page 19.)

Table 3-B

U.S. Medical School First-Year New Entrants by Residence and Sex, 1981-82*

Medical School	Total	Percent In-State Residents	Men	Women	Percent Women
Total	16,644	75.4	11,532	5,112	30.7
Alabama	150	96.0	111	39	26.0
Alabama, South	64	98.4	51	13	20.3
Albany	*129*	*72.8*	*77*	*52*	*40.3*
Albert Einstein	*178*	*71.3*	*110*	*68*	*38.2*
Arizona	88	97.7	54	34	38.6
Arkansas	136	100.0	104	32	23.5
Baylor	*168*	*69.0*	*113*	*55*	*32.7*
Boston University	*135*	*37.0*	*94*	*41*	*30.4*
Bowman Gray	*108*	*60.2*	*78*	*30*	*27.8*
Brown	*61*	*26.2*	*33*	*28*	*45.9*
California, University of					
Davis	100	100.0	62	38	38.0
Irvine	98	94.9	68	30	30.6
Los Angeles (UCLA)	160	81.3	113	47	29.4
San Diego	125	95.2	94	31	24.8
San Francisco	158	82.3	88	70	44.3
California, Southern	*136*	*84.5*	*97*	*39*	*28.7*
Caribe – Cayey	*68*	*93.6*	*47*	*21*	*30.9*
Case Western Reserve	*139*	*61.1*	*91*	*48*	*34.5*
Chicago Medical	*143*	*40.5*	*107*	*36*	*25.2*
Chicago-Pritzker	*104*	*45.2*	*76*	*28*	*26.9*
Cincinnati	192	81.3	141	51	26.6
Colorado	118	100.0	70	48	40.7
Columbia	*150*	*61.3*	*114*	*36*	*24.0*
Connecticut	80	88.7	48	32	40.0
Cornell	*104*	*55.8*	*70*	*34*	*32.7*
Creighton	*108*	*19.4*	*88*	*20*	*18.5*
Dartmouth	*85*	*17.7*	*58*	*27*	*31.8*
Duke	*114*	*28.1*	*77*	*37*	*32.5*
East Carolina	52	100.0	39	13	25.0
Emory	*110*	*51.8*	*73*	*37*	*33.6*
Florida	113	95.6	83	30	26.5
Florida, South	95	100.0	70	25	26.3
Georgetown	*205*	*7.3*	*157*	*48*	*23.4*
George Washington	*150*	*4.7*	*98*	*52*	*34.7*
Georgia	180	98.9	137	43	23.9
Hahnemann	*177*	*61.6*	*132*	*45*	*25.4*
Harvard	*166*	*9.0*	*105*	*61*	*36.7*
Hawaii	67	88.1	46	21	31.3
Howard	*129*	*10.1*	*68*	*61*	*47.3*
Illinois	325	97.2	250	75	23.1
Illinois, Southern	72	100.0	46	26	36.1
Indiana	305	95.4	214	91	29.8
Iowa	175	80.6	102	73	41.7
Jefferson	*223*	*70.4*	*176*	*47*	*21.1*
Johns Hopkins	*123*	*5.7*	*85*	*38*	*30.9*
Kansas	200	96.5	137	63	31.5
Kentucky	108	96.3	74	34	31.5
Loma Linda	*142*	*51.4*	*117*	*25*	*17.6*
Louisiana State – New Orleans	180	100.0	131	49	27.2
Louisiana State – Shreveport	103	100.0	75	28	27.2
Louisville	135	94.8	92	43	31.9

Table 3-B (Continued)

U.S. Medical School First-Year New Entrants by Residence and Sex, 1981-82*

Medical School	Total	Percent In-State Residents	Men	Women	Percent Women
Loyola-Stritch	*129*	*64.3*	*93*	*36*	*27.9*
Marshall	36	94.4	24	12	33.3
Maryland	175	96.6	117	58	33.1
Massachusetts	102	100.0	58	44	43.1
Mayo	*40*	*90.0*	*31*	*9*	*22.5*
Meharry	*110*	*18.2*	*71*	*39*	*35.5*
Miami	*135*	*91.9*	*95*	*40*	*29.6*
Michigan State	104	85.6	51	53	51.0
Michigan, University of	237	86.5	184	53	22.4
Minnesota – Duluth †	48	100.0	27	21	43.8
Minnesota – Minneapolis	239	95.8	156	83	34.7
Mississippi	150	99.3	115	35	23.3
Missouri – Columbia	110	95.5	67	43	39.1
Missouri – Kansas City	97	95.9	49	48	49.5
Morehouse‡	*32*	*65.6*	*15*	*17*	*53.1*
Mount Sinai	*100*	*70.0*	*61*	*39*	*39.0*
Nebraska	153	92.8	106	47	30.7
Nevada	48	81.3	34	14	29.2
New Jersey: UMD					
New Jersey Medical	170	93.5	112	58	34.1
Rutgers	130	91.5	86	44	33.8
New Mexico	73	94.5	49	24	32.9
New York Medical	*177*	*75.1*	*111*	*66*	*37.3*
New York University	*168*	*69.0*	*112*	*56*	*33.3*
New York: SUNY					
Buffalo	135	97.8	85	50	37.0
Downstate	217	98.1	166	51	23.5
Stony Brook	76	94.7	47	29	38.2
Upstate	145	98.6	104	41	28.3
North Carolina	160	87.5	104	56	35.0
North Dakota	68	89.7	54	14	20.6
Northwestern	*171*	*49.1*	*113*	*58*	*33.9*
Ohio, Medical College of	148	93.9	93	55	37.2
Ohio, Northeastern	92	100.0	62	30	32.6
Ohio State	233	99.6	170	63	27.0
Oklahoma	175	92.6	126	49	28.0
Oral Roberts	*48*	*10.4*	*41*	*7*	*14.6*
Oregon	115	99.1	78	37	32.2
Pennsylvania, Medical College of	*100*	*74.0*	*40*	*60*	*60.0*
Pennsylvania State	98	86.7	64	34	34.7
Pennsylvania, University of	*161*	*51.6*	*102*	*59*	*36.6*
Pittsburgh	*137*	*82.5*	*95*	*42*	*30.7*
Ponce	*60*	*73.0*	*47*	*13*	*21.7*
Puerto Rico, University of	150	96.0	106	44	29.3
Rochester	*100*	*73.0*	*67*	*33*	*33.0*
Rush	*119*	*85.7*	*73*	*46*	*38.7*
Saint Louis	*156*	*28.2*	*123*	*33*	*21.2*
South Carolina, Medical University of	165	93.3	130	35	21.2
South Carolina, University of	51	98.0	38	13	25.5
South Dakota	64	98.4	45	19	29.7
Stanford	*86*	*38.4*	*53*	*33*	*38.4*
Temple	*177*	*85.9*	*122*	*55*	*31.1*

Table 3-B (Continued)

U.S. Medical School First-Year New Entrants by Residence and Sex, 1981-82*

Medical School	Total	Percent In-State Residents	Men	Women	Percent Women
Tennessee State, East	49	91.8	39	10	20.4
Tennessee, University of	203	94.1	163	40	19.7
Texas A&M	32	100.0	23	9	28.1
Texas Tech	100	100.0	78	22	22.0
Texas, University of					
Dallas (Southwestern)	205	90.2	156	49	23.9
Galveston	203	87.7	147	56	27.6
Houston	202	86.1	131	71	35.1
San Antonio	202	88.6	137	65	32.2
Tufts	*146*	*48.6*	*90*	*56*	*38.4*
Tulane	*147*	*29.3*	*101*	*46*	*31.3*
Uniformed Services University	154	**	118	36	23.4
Utah	100	78.0	78	22	22.0
Vanderbilt	*104*	*18.3*	*85*	*19*	*18.3*
Vermont	93	41.9	67	26	28.0
Virginia, Eastern	*96*	*96.9*	*59*	*37*	*38.5*
Virginia, Medical College of	169	79.3	122	47	27.8
Virginia, University of	139	75.5	111	28	20.1
Washington University (St. Louis)	*122*	*11.5*	*83*	*39*	*32.0*
Washington, University of	175	94.3 ††	110	65	37.1
Wayne State	250	99.6	183	67	26.8
West Virginia	88	90.9	69	19	21.6
Wisconsin, Medical College of	*200*	*62.5*	*127*	*73*	*36.5*
Wisconsin, University of	159	93.1	111	48	30.2
Wright State	100	97.0	63	37	37.0
Yale	*102*	*5.9*	*68*	*34*	*33.3*

NOTE: Italics indicate privately supported schools.

*First-year new entrants are students entering medical school for the first time. Data provided October 1981.

†Two-year school of basic medical sciences organized as an affiliate of an M.D. degree-granting school.

‡Accredited to offer a two-year basic medical sciences curriculum; in process of establishing a full M.D. degree curriculum.

**Not applicable.

††In-state residents include residents of Alaska, Idaho, and Montana.

tana, and Wyoming will be interested in knowing that all accredited western medical schools, except the University of Washington, participate in the Western Interstate Commission for Higher Education (WICHE) Professional Student Exchange Program. Under this program, students from the states named above can attend the participating schools and pay only the in-state tuition at a public institution or a reduced tuition at a private school. The student's home state then pays a cost-of-education fee to the receiving school. In order to qualify for WICHE certification, the student must be a legal resident of the sending state and meet the state's eligibility requirements. Receiving WICHE certification does not guarantee admission to a participating school, however. Students must also apply directly to the schools of their choice and are considered on the basis of the individual school's admission criteria. The funds available to the sending states for payment of cost-of-education fees are limited; therefore, it is also possible that some students cannot be supported by their home states as exchange students, even though they are otherwise qualified for the exchange program. Further information is available from:

Professional Student Exchange Program
Western Interstate Commission for
Higher Education
P.O. Drawer P
Boulder, Colorado 80302

WAMI. To meet the health needs of the states of Washington, Alaska, Montana, and Idaho, the WAMI Program was founded in 1971. Under the supervision of the University of Washington School of Medicine, students from these northwest states take the first year of medical school at participating universities in their home states. Clerkships are available for third- and fourth-year students in family medicine, internal medicine, pediatrics, obstetrics-gynecology, and psychiatry in communities in the four-state area. Under this program, students from Alaska, Idaho, and Montana are admitted to the University of Washington School of Medicine and pay in-state tuition and fees. By decentralizing medical education in this way, the University of Washington has been able to increase the number of students from these states without medical schools and to help correct the uneven distribution of physicians between urban and rural communities. Additional information about the program can be obtained by writing to:

Director, WAMI Program
University of Washington SM-22
School of Medicine
Seattle, Washington 98195

New England Board of Higher Education (NEBHE) Contract Program. At Boston University and Tufts University schools of medicine, legal residents of Massachusetts may be admitted under the NEBHE Regional Medical Student Contract Program and receive a tuition reduction. All contract students are required either to repay any contract subsidies provided by their home states or to perform service in their home states after graduation. Since NEBHE contracts are periodically renegotiated, interested students should obtain current information from:

Office of Contract Services
New England Board of Higher
Education
9 School Street
Wenham, Massachusetts 01984

Southern Regional Education Board Program. Certain students from the states of Alabama, Florida, Georgia, Maryland, Mississippi, North Carolina, Tennessee, and Virginia who are accepted at Meharry Medical College pay a reduced tuition under a program administered by the Southern Regional Education Board. Further information is available from:

Southern Regional Education Board
1340 Spring Street, N.W.
Atlanta, Georgia 30309

Citizenship

Since the number of qualified applicants from the United States alone is approximately twice the number of places available, foreign applicants generally are not encouraged to seek admission to U.S. medical schools. In addition to this strong competition, a majority of U.S. schools are also required by law to give preference to applicants from their own states and regions. In recent years, therefore, approximately 20 percent of applicants from foreign countries have been successful in gaining admission. Of the 17,268 students enrolled in the 1981-82 freshman classes of U.S. medical schools, only 111 (0.6 percent) were non-U.S. citizens.

Prospective applicants from other countries should study carefully the application considerations and admission criteria discussed in this book since they apply equally to both U.S. and non-U.S. citizens. Successful applicants from other countries will ordinarily have completed one or more years of their undergraduate college work in the United States. Of course, foreign applicants must be proficient in the English language. Medical schools may require proficiency certification either from the appropriate official agency in the applicant's own country or from the American undergraduate college the applicant has attended.

Foreign applicants should be prepared to present detailed plans for financing their medical education. Since some countries impose severe restrictions on the exportation of currency, applicants should investigate this area for potential problems. In no case should foreign applicants assume that financial aid will be available in the United States. Very few schools are able to offer financial aid to foreign students. A useful resource for foreign applicants interested in pursuing undergraduate and graduate medical education in the United States is the *Handbook for Foreign Medical Graduates* (see Information Sources, Chapter 8).

Age

Medical schools review the applications of candidates without regard to their chronological age. Experience demonstrates, however, that graduating college seniors applying for the first time have the highest acceptance rate (49 percent according to the most recent data). The reasons why older candidates fare less well are several. In the aggregate, older candidates present academic credentials (both college grades and MCAT scores) that are below those of recent college graduates. Advances have been rapid, particularly in the sciences, and those who earned their college degree in the past several years are less likely to perform well on the MCAT exam and are less likely to be well prepared generally. Older candidates for admission have a longer life history on which to be judged. Their histories provide admission committees with more information upon which to estimate the likelihood that they can complete a medical education and their potential for contributing to the nation's medical needs. Those applicants who are perceived as wanting to enter medicine because they have failed to achieve in their initial career endeavor or who appear to place a significant value on a potential economic advantage in being a physician are less likely to gain admission.

Nevertheless, the acceptance rate for older applicants has increased in recent years. The data for the 1980-81 entering class (Table 3-C) demonstrate that approximately 27 percent of the 1,464 applicants who were 32 years and older were accepted. In 1979, 25 percent of the applicants who were 32 years and older were accepted; and in 1978, 20 percent of this older applicant group was accepted. However, before applying to medical school, older applicants particularly should seek counsel.

Special Information for Women

The AAMC strongly opposes the use of admission policies that discriminate against women and is committed to working toward removing any barriers that make it more difficult for women than for men to have successful careers in medicine.

As recipients of federal funds, most, if not all, medical schools are subject to the provisions of Title IX of the Education Amendments of 1972. Title IX provides that no person shall on the basis of sex be subjected to discrimination in any educa-

Table 3-C

Acceptance Rates of Applicants by Age and Sex, 1980-81 First-Year Class

	All Applicants			Men		Women	
Age*	No.	Percent	Percent Accepted	No. of Applicants	Percent Accepted	No. of Applicants	Percent Accepted
20 and under	649	1.8	77.7	424	79.5	225	74.2
21-23	19,743	54.7	55.9	14,133	57.6	5,610	51.5
24-27	10,653	29.5	37.5	7,594	36.2	3,059	40.7
28-31	3,591	9.9	33.8	2,454	31.3	1,137	39.1
32-37	1,262	3.5	28.1	735	24.5	527	33.0
38 and over	202	0.6	23.3	96	16.7	106	29.2
Total	36,100	100.0	47.5	25,436	47.9	10,664	46.4

*In 1980 the mean ages for these applicant groups were as follows: 24.2 (all applicants), 23.5 (applicants accepted), 24.1 (men applicants), 23.4 (men accepted), 24.5 (women applicants), and 24.0 (women accepted).

Table 3-D

Women Applicants and First-Year Women New Entrants to U.S. Medical Schools, 1976-77 Through 1980-81*

		Women Applicants			First-Year Women New Entrants	
First-Year Class	Total Applicants	No.	Percent of Total Applicants	Total First-Year New Entrants	No.	Percent of Total First-Year New Entrants
1976-77	42,155	10,244	24.3	15,282	3,777	24.7
1977-78	40,569	10,195	25.1	15,493	3,944	25.5
1978-79	36,636	9,561	26.1	16,054	3,995	24.9
1979-80	36,141	10,222	28.3	16,301	4,532	27.8
1980-81	36,100	10,664	29.5	16,591	4,756	28.7

*First-year new entrants are students entering medical school for the first time.

tion program or activity receiving federal financial assistance, except in limited circumstances.

The real commitment of the medical schools to provide opportunities for women in medicine is evident from a marked increase in the number of women being accepted in recent years. While women composed only 13.7 percent of the 1971-72 first-year class, they represented approximately 25 percent of all first-year entrants to medical school by 1976-77, as shown in Table 3-D. From 1976-77 to 1980-81, the proportion of applicants who were women rose from 24.3 percent to 29.5 percent. In recent years the percentage of women applicants accepted has been comparable with that of men (Table 3-E). Approximately 40 percent of the underrepresented minority students in recent first-year classes have been women.

Despite the increasing number of women students enrolled in medical school, female undergraduate students and premedical advisers are still asking the same questions: Will women get into medical school? Will they succeed in medical school? Will they practice? The evidence strongly suggests that the answer to all three of these questions is yes. Each potential applicant, however, must evaluate her own skills and wishes regarding her plans for career and/or family and decide whether or not she is willing to make the sacrifices necessary to achieve the rewards that being a physician brings. The fact of the matter is that many women physicians and medical students are meeting their dual responsibilities admirably, and their success should not go unnoticed by other women considering medicine as a career.

One of the issues often raised by potential women applicants concerns age. As noted above, medical schools review applications without regard to chronological age. Table 3-C demonstrates that for the 1980-81 entering class the acceptance rate of women 24 years and older is higher than that of men.

While all medical schools accept both men and women, the percentage of women accepted into the first-year class varies among institutions. Women applicants may want to consider, among other factors, the number of women recently accepted at particular institutions. Table 3-B includes the percentage of women entering the 1981-82 first-year class at each U.S. medical school.

Most U.S. medical schools have designated an individual to serve as the women's liaison officer with the AAMC and with others outside their medical centers for matters of interest and concern to women. Information regarding the women's liaison officer at any institution and data about women in medical schools and academic medicine are available from:

Special Assistant to the President
Association of American Medical
Colleges
Suite 200
One Dupont Circle, N.W.
Washington, D.C. 20036

Table 3-E

Comparative Acceptance Data for Men and Women Applicants, 1976-77 Through 1980-81

First-Year Class	No. of Applicants		No. Accepted		Percent Accepted	
	Men	Women	Men	Women	Men	Women
1976-77	31,911	10,244	11,852	3,922	37.1	38.3
1977-78	30,374	10,195	11,896	4,081	39.2	40.0
1978-79	27,075	9,561	12,352	4,175	45.6	43.7
1979-80	25,919	10,222	12,156	4,730	46.9	46.3
1980-81	25,436	10,664	12,196	4,950	47.9	46.4

Resources About Financial Aid and Special Programs

Because of the strong national movement encouraging women to pursue professional careers, a number of informational resources have been designed specifically for women. The following partial list of published resources was developed from a publication prepared by the Project on the Status and Education of Women (Association of American Colleges, 1818 R Street, N.W., Washington, D.C. 20009).

1. *American Fellowships for Women.* Free. (American Association of University Women Educational Foundation, 2401 Virginia Avenue, N.W., Washington, D.C. 20037)
2. *Educational Financial Aid Sources for Women.* Free. (Clairol Loving Care Scholarship Program, P.O. Box 14680, Baltimore, Maryland 21268)
3. Johnson, W. L. (Ed.). *Directory of Special Programs for Minority Group Members: Career Information Services, Employment Skills Banks, Financial Aid.* 3rd edition. 1979. $19.00 prepaid. (Garrett Park Press, Garrett Park, Maryland 20896)
4. *Selected List of Postsecondary Education Opportunities for Minorities and Women.* Prepared by Linda Byrd-Johnson and Carol J. Smith. 1981. $6.00. Stock #065-000-00118-7. (U.S. Government Printing Office, Washington, D.C. 20402)

The American Medical Women's Association offers a limited educational loan program for women enrolled in U.S. medical schools. Information about this program and other sources of medical student financing is presented in Chapter 6.

References About Women in Medicine

Women undergraduate students are also encouraged to review the increasingly large body of professional literature related to women in medicine. Following is a selected list of bibliographies and individual publications.

1. Angell, M. Women in Medicine: Beyond Prejudice. *New England Journal of Medicine*, 304 (No. 19): 1161-1162, May 7, 1981.
2. *Annotated Student Affairs Bibliography, 1981.* Prepared by Janet Bickel and Mary Cureton. Association of American Medical Colleges. 1981. $2.95. (Membership and Subscriptions, Association of American Medical Colleges, Suite 200, One Dupont Circle, N.W., Washington, D.C. 20036)
3. Braslow, J. B., and Heins, M. Women in Medical Education. *New England Journal of Medicine*, 304 (No. 19): 1129-1135, May 7, 1981.
4. Campbell, M. A. *Why Would a Girl Go Into Medicine. Medical Education in the United States: A Guide for Women.* 3rd edition with new introduction. $4.95. (The Feminist Press, Box 334, Old Westbury, New York 11568)
5. Chaff, S., Haimbach, R., Fenichel, C.,

and Woodside, N. B. *Women in Medicine: A Bibliography of the Literature on Women Physicians*. 1977. $40.00. (Scarecrow Press, Inc., 52 Liberty Street, Metuchen, New Jersey 08840)

6. Davidson, V. M. Coping Styles of Women Medical Students. *Journal of Medical Education*, 53: 902-907, November 1978.
7. Gantz, P. Medical Schools Embrace Older Women. *Medical Dimensions, April 1976*.
8. Levin, B. S. *Women and Medicine*. 1980. $13.50. (Scarecrow Press, Inc. 52 Liberty Street, Metuchen, New Jersey 08840)
9. Lopate, C. *Women in Medicine*. 1968. $14.00. (The Johns Hopkins University Press, Baltimore, Maryland 21218)
10. Mathews, W. R. The Training and Practice of Women Physicians. *Journal of Medical Education*, 45: 1016-1024, December 1970.
11. Rinke, C. The Economic and Academic Status of Women Physicians. *Journal of the American Medical Association*, 245 (No. 22): 2305-2306, June 12, 1981.
12. Roeske, N. A., and Lake, K. Role Models for Women Medical Students. *Journal of Medical Education*, 52: 459-466, June 1977.
13. Staley, K. H., and Hood, A. B. A Longitudinal Study of Female Premedical Attrition. *Journal of Medical Education*, 52: 849-851, October 1977.
14. Walsh, M. R. *"Doctors Wanted: No Women Need Apply": Sexual Barriers in the Medical Profession, 1835-1975*. 1977. Paperbound, $6.95; clothbound, $20.00. (Yale University Press, 92A Yale Station, New Haven, Connecticut 06520)

Marital Status

Medical school admission decisions are made without regard to marital status. In 1977 about 14 percent of students accepted to the first-year class were married. Married couples applying to medical school obviously must be prepared for major adjustments if both are not admitted to the same or nearby schools.

Married prospective applicants may be interested in reading "Marital Satisfaction as Perceived by the Medical Student's

Table 3-F

Application and Acceptance Rate of Selected Minority Group Applicants to First-Year Classes in U.S. Medical Schools, 1976-77 Through 1980-81

	Black American				American Indian			
	Applicants		Acceptees		Applicants		Acceptees	
First-Year Class	No.	Percent of All Applicants*	No.	Percent Accepted	No.	Percent of All Applicants*	No.	Percent Accepted
1976-77	2,523	6.3	966	38.3	128	0.3	39	30.5
1977-78	2,487	6.4	966	38.8	122	0.3	43	35.2
1978-79	2,564	7.3	970	37.8	133	0.4	54	40.6
1979-80	2,599	7.4	1,024	39.4	151	0.4	64	42.4
1980-81	2,594	7.4	1,057	40.7	147	0.4	62	42.2

	Mexican American				Mainland Puerto Rican			
	Applicants		Acceptees		Applicants		Acceptees	
First-Year Class	No.	Percent of All Applicants*	No.	Percent Accepted	No.	Percent of All Applicants*	No.	Percent Accepted
1976-77	460	1.2	223	48.5	212	0.5	85	40.1
1977-78	487	1.3	227	46.6	203	0.5	93	45.8
1978-79	433	1.2	241	55.7	191	0.5	92	48.2
1979-80	457	1.3	267	58.4	173	0.5	92	53.2
1980-81	449	1.3	240	53.5	191	0.5	102	53.4

*Applicants not specifying race were not included in the computation of percentages. For this reason, some figures may differ from those given on tables for previous years.

Table 3-G

U.S. Medical School Enrollments, 1981-82

	First-Year New Entrants*		Total Enrollments	
Racial/Ethnic Category	Total	Percent of Grand Total	Total	Percent of Grand Total
U.S. Citizens				
White	13,895	83.5	56,201	84.8
Underrepresented Minorities				
Black	984	5.9	3,884	5.9
American Indian or Alaskan Native	64	0.4	229	0.3
Mexican American/Chicano	277	1.7	1,040	1.6
Puerto Rican (Mainland)	97	0.6	350	0.5
Subtotal	1,422	8.6	5,503	8.3
Other U.S. Students				
Asian or Pacific Islander	747	4.5	2,518	3.8
Puerto Rican (Commonwealth)	241	1.4	856	1.3
Other Hispanic	232	1.4	847	1.3
Subtotal	1,220	7.3	4,221	6.4
Foreign Students				
Black	16	0.1	80	0.1
Other	85	0.5	286	0.4
Subtotal	101	0.6	366	0.5
Unidentified	6	†	7	†
Grand Total	16,644	100.0	66,298	100.0

Source: 1981-82 Fall Enrollment Survey. Reflects enrollments as of October 16, 1981, at 126 U.S. medical schools.

*First-year new entrants are students entering medical school for the first time.

†Less than 0.1 percent.

Spouse'' by A. D. Perlow and S. C. Mullins in the September 1976 *Journal of Medical Education*. Valuable information about both the married medical student and the woman medical student may also be found in *Doctor-to-Be: Coping With the Trials and Triumphs of Medical School* by J. A. Knight (1981. $6.95 paperbound. Appleton-Century Crofts, 292 Madison Avenue, New York, New York 10017).

Minority Status

Efforts continue to be made to encourage better representation in medical schools of students from racial/ethnic groups underrepresented in medicine and students from nontraditional or economically disadvantaged backgrounds. Such efforts include programs directed toward the adequate preparation of the prospective minority medical school applicant; recruitment and retention programs; programs that offer funds for scholarships to minority undergraduate and medical students; establishment of more direct relationships between the medical schools and the predominantly minority colleges; and special projects, such as summer study programs, for minority undergraduate students.

Table 3-F shows the national application and acceptance rate for underrepresented minorities from 1976-77 through 1980-81. Table 3-G shows first-year new entrants and total enrollments, broken down by racial/ethnic categories, for 1981-82. Chapter 7 provides more detailed information for minority group students and a list of information sources.

Foreign Medical Schools

Some U.S. students enter foreign medical schools each year. Unfortunately, many of them do not fully consider in advance the problems they will encounter if they intend to practice medicine in the United States. These considerations are sufficiently important that this subject is discussed in detail in Chapter 8.

Chapter 4

MCAT and AMCAS

This chapter provides the prospective applicant with information about the Medical College Admission Test (MCAT) and the American Medical College Application Service (AMCAS). Details concerning the practical procedures of the application and the selection process are presented in Chapter 5.

Medical College Admission Test (MCAT)

Almost all medical schools in the United States require or strongly recommend that students planning to apply for admission take the MCAT, a nationally standardized examination. Results from the MCAT will be studied carefully by admission committees along with other evidence of applicants' suitability for medical school course work and the practice of medicine.

Students are urged to obtain from the Association of American Medical Colleges (AAMC) or their college bookstores the *New MCAT Student Manual*, which fully describes the test and provides many sample questions and an illustrative test. Instructions for ordering the manual are given at the end of this section.

The test is given twice a year—in the spring and fall on a Saturday—and should be taken about 18 months before the student plans to enter medical school. Testing dates for the MCAT in 1982 are April 24 and September 11; testing dates for 1983 are April 9 and October 1. All students, especially those who are considering taking the test in the fall, should bear in mind that there is no provision for makeup examinations. Where possible, however, special Sunday testings will be arranged for applicants presenting, in advance, satisfactory evidence that (1) their religious convictions prevent them from taking the examination on Saturday or (2) unavoidable conflicts will prevent them from taking the examination on one of the regularly scheduled dates. An additional $5 fee is charged for these special testing arrangements.

Most schools prefer that the test be taken in the spring because of the relatively short period of time between the availability of the fall test scores and the schools' application deadlines. Taking the spring test decreases the possibility that procedural problems will prevent the completion of an applicant's file and its timely review. Furthermore, in most cases, very little content that would be helpful to a student for the test is covered between the spring and the fall administrations except for those students who complete required introductory science courses during the intervening summer months. For these students, the fall testing date may be preferable.

The MCAT is administered and scored by the American College Testing Program at the direction of the AAMC. The examination fee is $45 for the 1982 administrations. Students must make their own arrangements for taking the test. A registration packet that contains an announcement, registration card, and all up-to-date information about the MCAT (including test dates, testing locations, distribution of scores, and deadlines) is prepared annually. It is essential that students apprise themselves of the information provided in this packet, which is available in early January through premedical advisory offices and at major university testing centers. It may also be obtained by writing directly to:

MCAT Registration
The American College Testing Program
P.O. Box 414
Iowa City, Iowa 52243

Particular attention should be paid to procedures for distribution of MCAT scores to medical schools in 1982 because they are subject to change. However, it is anticipated that the procedures will be the following.

Payment of the examination fee will entitle the candidate to have test scores sent to six medical schools, provided the scores are released by the examinee at the time of the examination. These six free reports will need to be directed only to medical schools not participating in AMCAS since official reports of MCAT scores released by the candidate will be automatically provided by AMCAS to the participating schools to which the candidate applies.

It is also anticipated that additional reports to non-AMCAS destinations can be arranged by submitting the appropriate information and fees to the American College Testing Program. Further information is provided in the 1982 MCAT Announcement and is also available from:

MCAT Records
The American College Testing Program
P.O. Box 451
Iowa City, Iowa 52243

A score report in duplicate is sent to each examinee. MCAT examinees are encouraged either to transmit one copy of this report to their premedical advisers or to request at the time the test is taken that their scores be sent, at no added cost, directly to their current premedical advisers. MCAT examinees may not cancel or delete their scores.

AAMC policy does not permit the waiver of fees for the MCAT or for additional score reports. This policy applies to all examinees.

The MCAT is an objective measure of specified science knowledge and its application in solving related problems and of other learning and reasoning skills considered important for the study and practice of medicine. The knowledge and skills to be assessed were identified through a national survey of prominent medical educators, physicians, and students who rated a comprehensive outline of science topics and analytical skills on the basis of their relevance to medical education and practice.

The MCAT requires one day of testing and is administered in four sections. The Science Knowledge and Science Problems subtests are given during three hours in a morning session. Following a one-hour lunch break, the Skills Analysis: Reading and the Skills Analysis: Quantitative subtests are given in a three-hour afternoon session. The Science Knowledge subtest is presented in consecutive assessment areas of biology, chemistry, and physics (specific preparation in mathematics is required for the physics area of assessment). The Science Problems subtest uses medical or science-related problems which incorporate biology, chemistry, and physics; each problem is accompanied by three questions involving various science areas. Test questions for both subtests are based on science topics ordinarily covered in one-year introductory courses in biology, general chemistry, organic chemistry, and physics. However, in order to compare accurately the subject coverage in undergraduate courses with the prerequisite topics and skills for the MCAT, students are strongly encouraged to refer to the science topics and skills outlined in the *New MCAT Student Manual.*

More general skills in reasoning and the use of information are measured by the Skills Analysis: Reading subtest and the Skills Analysis: Quantitative subtest. Prose passages and various types of quantitative materials drawn from the natural sciences, social and behavioral sciences, and topics related to medicine are used to present information upon which questions are based. Although the Skills Analysis subtests are designed to measure reasoning and decision-making abilities rather than course preparation in specific subject areas, the Skills Analysis: Quantitative subtest does require specific preparation in mathematics, as outlined in the *New MCAT Student Manual.*

Six MCAT scores are reported, each

presented on a scale ranging from 1 (lowest) to 15 (highest). Scores in biology, chemistry, and physics are determined by combining the Science Knowledge questions for each discipline with the Science Problems questions for the respective discipline. A fourth score is reported for Science Problems, combining biology, chemistry, and physics questions within this subtest. One score each is reported for Skills Analysis: Reading and Skills Analysis: Quantitative.

The MCAT provides medical school admission committees with a nationally standardized measure which enables schools to compare applicants with widely different personal and academic backgrounds. The test has been carefully designed and constructed so that individual scores will have the same meaning from year to year, making possible direct comparisons of applicants who have taken the test at different times.

It should be clearly understood that scores from the MCAT do not determine whether the applicant is admitted to medical school. There is no such thing as a passing score. Although MCAT scores provide significant information about science preparation and analytical skills that have been identified as important for the study of medicine, each medical school determines how it will use these scores. The MCAT cannot and does not measure motivation, the nature or sincerity of interest in the study of medicine, or the personal characteristics important to the practitioner or teacher of medicine. These characteristics are judged by other data and procedures.

Although high intellectual ability and demonstrated academic achievement are not in themselves sufficient to ensure admission to medical school, they are necessary qualifications. The MCAT, when interpreted in combination with college grades, is of particular help to admission committees in evaluating these aspects of an applicant's background. (See Table 3-A.)

For example, when considering an applicant whose college grades are high and whose MCAT scores are low, admission committee members may ask the following questions:

1. Does the applicant have low academic potential, compensated for by effective study habits or long hours of study?
2. Was the examinee seriously disturbed or ill at the time of the test? (Ordinary anxiety or minor illness or discomforts do not affect scores significantly.)
3. Has the examinee had limited experience with tests of this format?
4. Does the candidate have inadequate mastery of the English language that might affect test performance, although it is not reflected in day-today work in college?

When an applicant presents high MCAT scores and a relatively undistinguished college record, admission committee members may ask the following questions:

1. Did the applicant fail to apply himself or herself to undergraduate studies?
2. Did this student take a combination of courses far more difficult than that taken by the average student?
3. Has the applicant had to work long hours in addition to taking course work?
4. Has the applicant been involved in worthwhile activities that interfered with academic studies?
5. Has the applicant's interest in medicine developed only recently, and are most recent grades a better indication of true ability?

If an applicant's MCAT scores are low, the advisability of retaking it may be discussed with a premedical adviser. Legitimate reasons for retaking the test include: unusual discrepancy between college grades and MCAT scores; having taken the MCAT prematurely, that is, before completing the introductory science courses that provide the necessary background for the science areas of the test; serious illness at the time of the test; and recommendation by a member of a medical school admission committee that the test be retaken. Application procedures for retaking the test are identical with those for initial testing.

The second edition of the *New MCAT*

Student Manual, published in November 1977, describes the MCAT in detail. The manual outlines science topics to be assessed in the Science Knowledge and Science Problems subtests of the examination and describes the reasoning and decision-making skills to be tested in the Skills Analysis subtests. The manual also describes types of materials upon which test questions are based and specific mathematics preparation needed by students. Suggestions for preparing to take the test are given, and the manual includes a 203-item, four-hour illustrative test that provides practice with the types of items encountered on actual MCAT examinations. The cost of each manual is $4.75 ($5.75 for priority mail). Remittance (no cash) or institutional purchase order should be sent to:

Membership and Subscriptions
Association of American Medical
Colleges
Suite 200
One Dupont Circle, N.W.
Washington, D.C. 20036

American Medical College Application Service (AMCAS)

The American Medical College Application Service (AMCAS) is a nonprofit centralized application processing service for applicants to participating U.S. medical schools. AMCAS was developed by admission officers of member institutions of the AAMC to facilitate the process of applying to U.S. medical schools. (See "Development of AMCAS, 1966 Through 1978" by D. G. Johnson and W. F. Dubé in the November 1978 *Journal of Medical Education.*)

AMCAS does not render any admission decisions and does not advise applicants where to submit applications. Each participating school is completely autonomous in reaching its admission decisions. AMCAS provides only the application processing service.

AMCAS benefits both the participating medical school and the applicant by collecting, processing, and coordinating data, effectively reducing the time and, in many cases, the expense of the application procedure. The total operation neither alters nor depersonalizes the principles of traditional application procedures.

AMCAS assists the medical school admission offices by transmitting complete application materials for each applicant and providing useful rosters and statistical reports. In addition, AMCAS enables the AAMC to initiate national research projects regarding the medical school admission process.

All students applying to AMCAS-participating schools for admission to the entering class must submit their application material to these medical schools through AMCAS. Applicants applying for advanced standing or as transfer students are not processed through AMCAS. All advanced standing applicants and transfer students should contact the medical schools directly for instructions. Applicants applying to medical schools not participating in AMCAS must also contact those schools directly for application instructions.

Applicants to AMCAS-participating schools submit only one set of application materials and official transcripts, regardless of the numbers of schools to which they are applying. Application materials may normally be obtained from premedical advisers. Materials may also be obtained from AMCAS by submitting an Application Request Form, which is available from AMCAS-participating schools and premedical advisers or by writing directly to:

AMCAS
Division of Student Services
Association of American Medical
Colleges
Suite 301
1776 Massachusetts Avenue, N.W.
Washington, D.C. 20036-1989
Telephone: (202) 828-0600

The completed application materials are forwarded directly to AMCAS by the applicant. *The earliest date applicants may submit their completed application materials to AMCAS is June 15. Any applications received prior to June 15 are returned.* The latest date for filing application to an AMCAS-participating school (see individual school entries in Chapter 10) refers to the deadline for receipt of all correct and complete application materials by AMCAS. Application materials received after the latest date listed for an AMCAS-participating school cannot be processed.

Prior to submitting the application materials, the applicant should request that a complete set of official transcripts be forwarded directly to AMCAS by the registrar of each U.S. or Canadian college, university, junior college, or graduate school attended. Official transcripts may be forwarded to AMCAS as early as March 15. For all application deadlines, except for the Early Decision Plan, the official transcripts must be received no later than two weeks following the deadline for application materials. Official transcripts in support of application materials submitted for participation in the Early Decision Plan must be received at AMCAS no later than August 1. Official transcripts are not required for work taken the previous term; for example, if an application is submitted to AMCAS during the summer, the official transcripts for the previous spring are not required. AMCAS does not require transcripts from institutions located outside the United States and Canada, although these may be requested at a later date by the individual schools participating in AMCAS. Transcripts sent in support of applications filed in previous years cannot be reactivated or updated and will not be used for repeat applicants.

The processing of an applicant's materials is contingent upon the receipt by AMCAS of both the application materials and all required official transcripts. Upon receiving both, AMCAS verifies the applicant's academic record entered in the application materials against the official transcripts in order to assure accuracy. After verification, grade-point average and credit hour totals are computed, and other data are collected from the application materials and forwarded to the schools, along with a reproduced copy of the application form.

Upon receipt of the applicant's application materials from AMCAS, medical schools may notify the applicant directly of any additional fees, letters of evaluation, or other items of information that may be required. These items should be forwarded by the applicant directly to the medical schools only if requested.

A service fee is charged by AMCAS according to the number of participating schools to which the applicant wishes to apply. The fee for application to one school is $30. A $12 fee per school is assessed for each additional school and for each school applied to at a later date.

A service fee waiver program is provided for applicants whose inability to pay the AMCAS service fee would prevent them from applying to medical school. Complete details concerning waiver of the service fee are provided in the AMCAS application materials.

For the 1981-82 entering class, over 33,000, or 91 percent, of all applicants, applied to at least one AMCAS-participating school. Ninety-seven medical schools will participate in AMCAS for receiving applications to their 1983-84 entering classes. AMCAS participation is indicated in the individual school entries in Chapter 10.

Chapter 5

The Medical School Application and Selection Process

This chapter is intended to help prospective applicants understand the procedures involved in the application and the selection process. It includes data about the competition for medical school places and about the various indicators of student ability (already referred to in Chapter 2) that are generally employed in the screening of applicants. In addition, this chapter outlines the recommended application and acceptance procedures of U.S. medical schools and elaborates on some of the more important aspects of the admission process.

Application Trends

Table 5 shows the trend of application activity over the past five years. While the number of first-year new entrants increased by 1,122 between 1977 and 1981, the number of applicants decreased by 3,830. For the 1981-82 first-year class, 36,727 individuals filed 339,975 applications for the 16,644 places to be filled by new entrants.

Because no significant changes in class size or in the size of the applicant pool are currently anticipated, it is likely that about one-half of those who seek admission to medical school in 1983 can be accommodated. Longer-range forecasts also suggest that the number of applicants will probably remain substantially greater than the number of places available in the foreseeable future. Thus, students who believe they have a realistic potential for being admitted should try to improve their chances through careful planning.

Irregularity Procedures

Applicants are expected to provide full and accurate information in medical college and/or AMCAS application materials and in registering for and taking the MCAT. If any falsification or other irregularity in any stage of this process is suspected by or reported to the Association of American Medical Colleges (AAMC) and a review confirms its significance, the applicant will be notified and asked to respond. Thereafter, if it is determined that an irregularity has occurred, a report thereof will be circulated to the admission officers of all U.S. and Canadian medical schools to which the applicant has applied or may apply and/or to which the applicant has requested or may request his or her MCAT scores be sent. Treatment of such situations is supervised by the AAMC according to written policies and procedures established by its Executive Council. These procedures, though very seldom needed, help ensure the maintenance of high ethical standards in the medical school admission process.

Timing of Application

Timing of the application is important. Medical schools have differing policies, as shown in the application and acceptance timetables in the individual school entries in Chapter 10. In most cases acceptance

Table 5

Trends Related to Medical School Applications for First-Year Entering Classes, 1977-78 Through 1981-82

Entering Year	Individuals Filing Applications	Applications Filed	Number of New Entrants*	Percent of Applicants Enrolled
1977-78	40,557	371,545	15,522	38
1978-79	36,636	335,982	16,054	44
1979-80	36,141	335,209	16,301	45
1980-81	36,100	330,888	16,591	46
1981-82	36,727	339,975	16,644	45

*New entrants are those students entering medical school for the very first time.

notices for the fall 1983 entering class will not be sent out before October 15, 1982, except to early decision candidates. Only a few schools will accept applications later than December. However, students should submit all applications well before then. The best rule is to apply approximately one year before the expected date of matriculation in medical school. For schools participating in the American Medical College Application Service (AMCAS), the deadline for filing an application refers to the date by which the AMCAS application materials must be received at AMCAS. For schools not using AMCAS, the deadline ordinarily refers only to the initial application form and does not pertain to such supplementary items as transcripts or letters of reference, which usually may be submitted at a later date.

As noted later in this chapter, the application deadlines for most AMCAS schools participating in the Early Decision Plan are (1) August 1 for correct and complete application materials and official transcripts to reach AMCAS and (2) September 1 for other supportive materials such as letters of evaluation to reach the individual schools. (See school entries in Chapter 10.)

Number of Applications

Many students wonder how many applications they should submit. Only general advice can be given on this point. Studies indicate that in the past several years the average applicant has submitted applications to nine schools. The range is great, however; for the 1981 entering class approximately 12 percent of those candidates who applied through AMCAS (including those admitted under the Early Decision Plan) filed only one application, and about 7 percent applied to 20 or more schools. Since medical schools vary in both their approach to the admission process and their evaluation of a given student, it is probably wise for a student to apply to at least four or five carefully selected schools, keeping in mind the considerations discussed in Chapter 3. Premedical advisers should be consulted about where and when to apply. (Information is also available in "Applications Versus Acceptances to 1976-77 First-Year Medical School Class" by Janet M. Cuca in the December 1977 *Journal of Medical Education.*)

Reapplicants

Each year some of the students who are admitted to medical school are repeat applicants who failed to gain admission previously. However, unsuccessful applicants should consider their chances very carefully before deciding to reapply. In general, applicants who reapply with credentials essentially unchanged from those of a previous attempt will not secure a place in a first-year class. For the 1978-79 entering class, 29 percent of all applicants had applied unsuccessfully in one or more previous years. Thirty-nine percent of these reapplicants were admitted as compared with a 48 percent success rate for students who were applying for the first time. A small number of successful reapplicants were individuals admitted to medical school who decided to take a year to pursue other interests before entering a first-year program; these reapplicants, of course, took a risk of not being accepted, for a second time, into the next year's entering class.

Other successful reapplicants include those well qualified students who tried to enroll in medical school after the completion of only three years of college and were rejected in favor of students who would enroll after four years. Such students should not necessarily be discouraged from reapplying for admission the following year when they can compete on equal terms with other candidates who expect to complete the bachelor's degree before entering medical school. For many students, however, reapplication should be seriously considered only after detailed discussion with premedical advisers and/or medical school admission officers.

In addition, AMCAS applicants should note that applications and transcripts filed in previous years cannot be reactivated or updated and will not be used for repeat applicants.

Other Considerations

The application form itself is an important source of information. It should be filled out completely and accurately. Neatness and legibility are important; therefore, it is suggested that applicants submit typed forms.

For some schools, applicants should be prepared to provide a recent photograph and to answer questions about plans to finance their medical education. (See Chapter 6.) Most schools provide an opportunity for students to furnish a brief statement of their reasons for wanting to study medicine and/or for wanting to study at a particular school. An AMCAS-participating school does not expect individualized comments on the AMCAS application form but may request on a supplemental form the extent of an applicant's knowledge of or interest in its particular program.

A nonrefundable application fee is required of all applicants by most schools not participating in AMCAS. Application fees range up to $50 and are due at different stages of the application process. School application fees are listed in the individual school entries (Chapter 10) and are payable directly to the schools. School fees are in addition to AMCAS service fees, which are payable directly to AMCAS. Some schools participating in AMCAS charge a supplemental fee to only those candidates they consider most seriously and may not charge any fee for initial screening of an application. (See Chapter 4.)

Ninety-seven schools will be participating in the AMCAS program during 1982 to receive applications for their 1983-84 entering classes.

Admission Screening

Admission decisions are made by committees composed of medical school faculty; many committees also include students and/or other representatives of the medical center and the community. The selection process of those individuals who will be considered seriously for admission varies among medical schools. With the assistance of admission office personnel, all applications are screened in accordance with criteria established by the admission committee. Biographical information (including state of residence), college academic record, Medical College Admission Test (MCAT) scores, the applicant's personal comments, and faculty evaluations usually receive major attention in the screening process. Final admission decisions are made by the admission committee on the basis of the above factors and, in most medical schools, a personal interview.

Specific information about the MCAT is presented in Chapter 4. Other aspects of the screening process are described below and in *An Analysis of the Admissions Process in U.S. Medical Schools, 1973 and 1976* (Reference No. HRP 0900494. $11.00. National Technical Information Service, 5285 Port Royal Road, Springfield, Virginia 22161).

College Academic Record

It is appropriate to consider how medi-

AAMC Recommendations Concerning Advanced Placement

"Advanced placement" means allowing college credit for college level courses taken in high school and attested by scores on the Advanced Placement Examinations of the College Entrance Examination Board or on similar examinations administered directly by the college. The following statement was approved December 6, 1964, by the Executive Council of the Association of American Medical Colleges upon recommendation of the AAMC Group on Student Affairs.

In view of: *(a)* the desirability of encouraging able high school students to take advantage of advanced placement course opportunities, *(b)* requests from college advisers and curriculum planners for policy clarification concerning advanced placement credit, and *(c)* findings that some medical schools had no policy on accepting advanced placement credits for admission and that some state medical boards anticipated a licensure problem for students so admitted, the following recommendations are made:

1. Undergraduate colleges are encouraged to: *(a)* clearly indicate on the official college transcript how much credit has been allowed for each of such courses toward the bachelor's degree and *(b)* advise such premedical students to pursue advanced courses in biology, chemistry, and physics in college even though they may have met the minimum science requirements while in high school.
2. Medical schools are encouraged to: *(a)* accept advanced placement credits for admission to medical school so long as they are clearly indicated on the undergraduate college transcript as having been accepted by the college toward its bachelor's degree and *(b)* publicize the above in appropriate medical school admissions publications.
3. State licensing boards are encouraged to: *(a)* accept advanced placement credits as prerequisites for medical licensure if they are clearly designated on the undergraduate college transcript and if they have been accepted by an accredited medical school as meeting its admission requirements and *(b)* seek the inclusion of such a policy statement in their licensure regulations.

cal school admission committees interpret the applicant's undergraduate record. All grades are examined, in both science and nonscience areas, and attention is given to the undergraduate college attended. Admission committees know that academic standards may vary from one college to another and that criteria for grading may vary from one department to another within the same institution. Through long experience, committees realize that high grades in certain courses may be more difficult to attain than others. Some attempt, usually informal, is made to weigh the grades from various colleges in order to be as fair as possible to all applicants.

Admission committees tend to believe that efforts expended by a student in earning grades are reflected in the college academic record. Obviously, a student carrying a heavy course load, including time-consuming and demanding laboratory courses, is less likely to get high grades than one carrying a lighter and easier load. Admission committees also realize that within the same college the same grade-point average may represent little effort for one student and extreme effort for another.

Attention is given to extracurricular activities and part-time employment in interpreting the college transcript. Students who have taken special honors courses or who have been selected for advanced sections of a regular course should not hesitate to give medical schools detailed information about these factors. They also should request that their college advisers refer to such honors in their recommendations. If students received advanced placement credit for courses taken in high school, they should be sure this fact is noted on their official transcripts and that advisers are aware of this information. (See AAMC Recommendations Concerning Advanced Placement.)

Similar advice should be followed concerning examinations under the College Level Examination Program (CLEP). Through this program, students are offered the opportunity to obtain credit for knowledge acquired outside the classroom. CLEP tests are available in 47 subject matter areas. In addition, there are five general examinations in the liberal arts. Norms for

AAMC Recommendations Concerning the College Level Examination Program

The College Level Examination Program (CLEP), sponsored by the College Entrance Examination Board, offers undergraduates the opportunity to obtain college credit for college level achievement obtained through either formal or informal study. Since policies regarding CLEP credit may vary at individual schools, students should contact individual schools to clarify each school's policy. The following statement was approved by the Executive Council of the Association of American Medical Colleges in September 1975 upon recommendation of the AAMC Group on Student Affairs (GSA) Steering Committee.

In view of: *(a)* requests from colleges and premedical students for policy clarification and *(b)* findings that some medical schools had no policy about accepting CLEP credits for admission, the following recommendations are made:

1. Undergraduate colleges are encouraged to: *(a)* clearly indicate on the official transcript how many CLEP credits have been granted for each course toward the bachelor's degree, *(b)* clearly indicate on the official transcript what minimum passing score was required on each CLEP test in order for such credit to have been granted, *(c)* advise premedical students to pursue advanced courses in laboratory sciences or other courses required for admission to medical school if minimum requirements are met through CLEP, and *(d)* advise premedical students that most U.S. medical schools will not accept CLEP credits for more than 25 percent of all undergraduate credit awarded.

2. Medical schools are encouraged to accept CLEP credits provided that: *(a)* such credits have been accepted by an undergraduate school toward a degree and are clearly indicated on the official transcript, *(b)* in general, CLEP credits alone are not presented in those courses specifically required for admission (some schools do not accept CLEP credits in place of courses required for entrance), and *(c)* in general, CLEP credits do not represent more than 25 percent of all undergraduate credit awarded. These policies should be publicized in appropriate medical school admissions publications.

CLEP examination scores are based on tests of college students who have completed college courses. Over 1,800 colleges and universities recognize the program. Each institution determines which CLEP tests it will accept for credit and what minimum passing score on each test must be achieved for credit to be awarded by that institution. Further information may be obtained by writing to:

CLEP
Educational Testing Service
P.O. Box 1822
Princeton, New Jersey 08541

Both CLEP and advanced placement are programs granting college credit for knowledge gained in high school or elsewhere, but they differ in the following way: CLEP consists solely of examinations which may be taken regardless of whether the examinee has had a formal course in a given subject; advanced placement consists of (1) college level courses in high school and (2) examinations to test the mastery of these specific courses.

In recent years, approximately 90 percent of U.S. medical schools have accepted advanced placement credits, and at least 75 percent have accepted CLEP credits for admission to medical school if the credits are clearly indicated on the undergraduate college transcript as having been accepted by the college to satisfy requirements for the bachelor's degree. (See AAMC Recommendations Concerning CLEP.)

Faculty Evaluations

When students file applications to medical schools, they may be instructed to designate the premedical adviser or the chairman of the premedical advisory committee at their undergraduate college. The student should keep the adviser informed of application activity and MCAT scores so that the official evaluation of current achievements and potential for further academic growth can be prepared and forwarded to the medical schools without delay. Some medical schools invite several letters of

AAMC Recommendations Concerning Medical School Acceptance Procedures
(Revised January 1982)

For the information of prospective medical students and their advisers, the recommended procedures for offering acceptance to medical school and for student responses to those offers are printed below:

1. Each medical school should prepare and distribute to applicants and college advisers a detailed schedule of its application and acceptance procedures and should adhere to this schedule unless it is publicly amended.
2. Each medical school should agree not to notify its applicants (except for those applying via EDP) of acceptance prior to October 15 of each admission cycle.

*3. An applicant should be given at least two weeks to reply to an offer of admission. After that time, an applicant may be required to file a statement of intent, or a deposit, or both. The statement of intent should provide freedom to withdraw if the applicant is later accepted by a school which he or she prefers; the deposit, which should not exceed $100, should be refundable without question until June 15. After that date a school may retain the deposit as a late withdrawal fee. If the applicant matriculates at the school, the deposit may be credited against tuition.

*4. No medical school should use any device which implies that acceptance of its offer creates a moral obligation to matriculate at that school. Every accepted applicant should be free to deal with all schools and to accept an offer from one of them even though a deposit has been paid to another school. Every accepted applicant does retain under all circumstances an obligation to notify a school promptly of a decision not to accept its offer and to withdraw at once if, after accepting an offer from one school, the applicant receives and accepts an offer from another school.

5. By April 1, an applicant who has received offers of admission from more than one school and has received all financial aid information from the schools necessary to make a decision and has had at least two weeks to consider each offer should choose the one school which he or she prefers and withdraw from all other schools at which he or she has been accepted.
6. By May 15, each medical school should have made sufficient offers of acceptance to fill all places in its first-year class.
7. Each school is free to make appropriate rules for dealing with accepted applicants who, without adequate explanation, hold one or more places in other schools. These rules should recognize the problems of the student who has multiple offers and also of those applicants who have not yet been accepted.
8. Subsequent to June 1, a medical school seeking to admit an applicant already known to be accepted by another school for that entering class should advise that school of its intent. Because of the administrative problems involved in filling a place vacated just prior to the commencement of the academic year, schools should communicate fully with each other with respect to anticipated late roster changes in order to keep misunderstandings at a minimum.
9. After an applicant has actually enrolled in a U.S. medical school, no further acceptances should be offered to that individual. Once enrolled in a school, students have an obligation to withdraw their applications promptly from all other schools. Enrollment is defined as being officially registered at a school on or subsequent to the formally publicized starting date for the first-year class of that school.

*Most of these two procedures do not pertain to students accepted under the Early Decision Plan (EDP) because such students agree in advance to attend a given medical school if offered a place during the "early decision" segment of the application year.

evaluation; specific instructions should be followed carefully. As a courtesy, students should not submit the name of a professor who may be used as a reference without first requesting that professor's permission.

Letters of recommendation from friends of the family, business associates of the applicant's parents, or holders of public office should not be solicited unless requested by the medical school. Such letters generally do not contribute substantially to the evaluation of the applicant.

The Interview

After applications have been filed, applicants should be prepared for personal interviews with medical school representatives, since at most schools acceptances are rarely granted without them. In most cases the students should wait for the schools to initiate arrangements for an interview.

The interview is beneficial to both the school and the student:

1. It offers an admission committee an opportunity to clarify information about the applicant.
2. It allows the student to explain any unique or complicated aspects of his or her application and also to learn more about the medical school.
3. It permits medical schools, most of which are unable to accept all their qualified applicants, to acquire as much information as possible to help them decide who will be likely to profit most from that particular school's educational program.

Applicants should not be apprehensive about the interview. It is simply a means for the applicant and the school to get to know each other better. Most applicants find interviews at medical schools to be helpful and worthwhile experiences.

Acceptance to Medical School

During recent years fewer than one-half of the total number of applicants to medical schools have been successful in gaining admission. Naturally, those who are well qualified, who have selected their schools appropriately with respect to the considerations discussed in Chapter 3, and who have observed the proper application procedures will have a much better chance of acceptance than other applicants.

Most successful applicants for admission to a 1983-84 first-year class may expect to receive notifications of acceptance any time from late fall 1982 through spring 1983. Many schools establish alternate lists from which they select students to fill any vacancies occurring in their classes; applicants are usually told if they have been placed on an alternate list. Since last-minute vacancies occasionally do occur, a few applicants may be notified of acceptance as late as the summer or fall of 1983.

Applicants should study with care the AAMC Recommendations Concerning Medical School Acceptance Procedures and the individual school entries in Chapter 10 since school acceptance policies vary considerably. Some schools send all acceptances at set times, while others send acceptances as decisions are made.

Some schools use some or all of the AAMC-suggested Uniform Acceptance Dates for notifying applicants of their admission to medical school. These dates are December 15, January 15, February 15, and March 15. The majority of medical schools have agreed not to notify applicants (except those applying through the Early Decision Plan) of acceptance prior to October 15 of each admission cycle. All schools are encouraged to mail rejection letters promptly so that those applicants determined to be clearly noncompetitive for admission will have maximum time to make alternative plans.

It is the responsibility of the student to hold not more than one acceptance at a given time. In fairness to fellow applicants, the student who receives acceptances from two or more schools should make a choice among them and promptly notify the other accepting schools of the decision to withdraw. (See AAMC Recommendations Concerning Medical School Acceptance Procedures.)

An exception to this policy should occur only when a final decision cannot be made until financial aid awards have been announced.

When a student accepts an offer of admission, many schools will request a deposit fee, which in most cases is applied to the first year's tuition. The AAMC recommends that deposits required for entrance be refunded upon request up to June 15. The student is cautioned not to confuse the *deposit fee*, which is usually refundable, with the nonrefundable *application fee*.

Early Decision Plan

Under the Early Decision Plan (EDP), an applicant files an application to only one school (usually prior to August 1) and is guaranteed prompt notification (usually on or before October 1) of either acceptance or rejection by that school. Individual school entries in Chapter 10 indicate which schools use the Early Decision Plan.

It is important to understand that early decision applicants may not apply to any other U.S. medical schools during the time their credentials are being considered for an early decision. If accepted to a school under the Early Decision Plan, the applicant must attend that school and not apply elsewhere.

If EDP applicants are not accepted as early decision candidates, they may be reconsidered by that school as regular candidates and, of course, may then apply to other schools.

For the 1981-82 entering class, 67 medical schools participated in the EDP. There were 2,314 EDP applicants to that entering class, and 958 were accepted under the program.

It should be emphasized that only applicants with a clearly excellent chance of admission at a particular school should apply under EDP because most participating schools admit a relatively small portion of their classes (10 to 25 percent) through EDP. For strong candidates who have made a definite decision about the particular school they would like to attend, however, admission under EDP can greatly reduce the financial and psychological costs of applying to multiple medical schools.

It should be noted that some publicly supported schools will accept applications from out-of-state students *only* through EDP. Certain other schools will accept EDP applications from state residents only. (See school entries in Chapter 10.)

EDP candidates applying to schools participating in the AMCAS program should be sure to read the 1983-84 instruction booklet for further details.

Chapter 6

Financial Information for Medical Students

This chapter gives details about medical student expenses and some representative sources of financial aid to medical students. Chapter 7 presents information about financial resources for minority and disadvantaged students. Chapter 9 includes information about undergraduate financial planning.

Overview

The major source of financial information to medical school applicants should be the individual medical schools. Applicants should read thoroughly and understand the material on student finances and student financial aid provided by each school. The interview visit should be used to obtain additional financial data, and a financial aid application should be initiated at the earliest time stipulated by each medical school. Accepted applicants should request information from the school about the terms and conditions of available financial assistance and seek the advice of the financial aid officer about financial planning. It is important to recognize that there are two major types of financial aid: gift aid—such as scholarships, grants-in-aid, and tuition remission—which does not have to be repaid, and loan aid, which requires monetary repayment virtually always with interest. The amount, renewal potential, interest rate, and terms of repayment and forgiveness (cancellation of a loan in return for service in a designated health manpower shortage area) stipulated in the different aid programs should all be considered when making application. There are also programs that provide funding for undergraduate medical education in return for repayment in the form of service after receipt of the M.D. degree. Accepted students interested in such programs should discuss them with the financial aid officer at the medical school as well as with the program representatives. Upon acceptance, students should also request complete, up-to-date information about estimated costs at each school, including tuition, fees, room, boards, books, supplies, microscope, and other living costs. It should be recognized, however, that these figures may be subject to change.

The recent renewal of most federal financial aid programs has produced significant modifications in several programs and uncertainty of funding in others. Applicants will need to investigate thoroughly the provisions of each of these programs. They should also fully explore the availability of other non-federal sources of financial assistance. This does not imply that adequate financial aid cannot be secured. It does suggest, however, that those students who anticipate need of financial assistance should manage all aspects of their financial planning very carefully.

Medical Student Budgets

First, expenses need to be determined. They will depend upon a number of factors, such as the school's tuition, the cost of living in the various sections of the country, the student's marital status, and the living costs and spending habits of individual students and their dependents. Not only do the relatively fixed costs differ from school to school, but also optional costs can fluctuate markedly from student to student at the same school. Transportation to and from home several times each year for out-of-town students, clothing, entertainment, insurance, and incidentals should be taken into consideration in any individual financial plan. The best guidelines will be the average and maximum budget figures of the medical school.

Table 6 presents ranges, medians, and averages for tuition and fees for both state residents and nonresidents (if applicable) and for estimated averages by the schools of all other expenses for 1981-82 first-year students. Chapter 10 includes for each school an average budget for a single 1981-82 first-year student. *It should be noted that tuition and other expenses in Table 6 and in the individual entries in Chapter 10 are for 1981-82 and that tuition and other expenses may change from year to year.*

Perhaps most important, budget planning should take into account indicators of change. Overall, the cost of attending medical school is increasing steadily. As a result, students should review their financial indebtedness periodically to ensure that future loan repayments will not be unmanageable for their income potential at given career points, such as during graduate medical education.

How do medical students meet their expenses? Surveys have shown that the majority make use of multiple sources of income, including gifts and loans from families, their own earnings, and their spouses' earnings. Approximately two-thirds of those students who enroll in medical school receive some type of financial assistance. Most medical schools, however, believe that the primary responsibility for meeting the cost of a medical education rests with the student.

Microscope Requirements

At most medical schools each student must have a microscope. The individual school entries (Chapters 10 and 11) indicate whether the instruments are provided by the school; are available on a rental or loan basis through the school, in which case the rental charge is given; or must be purchased.

Before purchasing a microscope, it is essential that the accepted student seek advice from the medical school personnel to learn what equipment is prescribed, whether a paticular make is recommended, and whether there are opportunities at the school for obtaining the microscope.

Applying for Financial Aid

Accepted students should contact the school financial aid officer before initiating any aid application or needs analysis process in order to avoid completing unnecessary or irrelevant forms. Although policies vary somewhat, awards are usually made on the basis of demonstrated need (an excess of expenses compared with income and assets) provided that the student is in satisfactory academic standing. Sometimes students are required to limit use of financial aid to tuition, fees, and books, but usually it may be used for related living expenses, including room and board, clothing, transportation, and support of dependents.

Typically, applicants must provide the following information: amount of financial resources available (savings, employment of self and spouse, and income and assets of parents) regardless of the applicant's age, marital status, or prior independent status; a proposed budget for the coming year listing anticipated income and expenses (each school usually can provide guidelines); and marital status and number of dependents.

Needs Analysis

Financial aid at most medical schools is awarded on the basis of demonstrated need established by a financial analysis system. To help in this determination, most schools use the service of one of the following national organizations. Accepted students should not submit data to any of them unless instructed to do so by the school they plan to attend.

ACT Student Assistance Program
P.O. Box 1000
Iowa City, Iowa 52240

College Scholarship Service (CSS)
Box 176
Princeton, New Jersey 08540

Graduate and Professional School
Financial Aid Service (GAPSFAS)
Box 2614
Princeton, New Jersey 08540

Table 6

Average Expenses for 1981-82 First-Year Students at U.S. Medical Schools* (In Dollars)

First-Year Expense Item	Private Schools† Range	Private Schools† Median	Private Schools† Average	Public Schools Range	Public Schools Median	Public Schools Average
Tuition and fees	3,278-16,240	9,337	9,545			
Resident				117-6,323	2,458	2,694
Nonresident				335-26,573	5,108	5,536
All other expenses‡ (not including microscope)	2,400-10,600	6,300	6,331	3,000-8,500	6,000	5,988

*Data provided by 51 private and 74 public schools. Uniformed Services University of the Health Sciences, a public institution, does not charge tuition or student fees; books and equipment are also furnished without charge.

†The following private medical schools reported a lower tuition for residents of the state: Baylor, Mayo, Pittsburgh, Ponce, Temple, Tulane, Eastern Virginia, and the Medical College of Wisconsin. The higher tuition for these schools was used for this table.

‡Includes room, board, books, supplies, transportation, and entertainment.

The above organizations do not award any financial aid. Rather, they analyze the detailed information that students and their families make available to them and send their analyses to the individual medical schools or financial aid programs designated. The awards are determined by each medical school or aid program.

Federal Programs

Much of the financial assistance available to medical students has been supplied through the federal government. Through such programs as the Health Professions Student Loan Program, the National Direct Student Loan Program, and the Scholarship Program for First-Year Students of Exceptional Financial Need, the federal government provides funds directly to the medical school which, in turn, awards the aid to medical students. In the Health Education Assistance Loan Program and the Guaranteed Student Loan Program, the federal government provides financial incentives to banks and other private lending institutions to make loans available to students. In many cases state agencies administer the Guranteed Student Loan Program and some private loan funds.

Two other federal programs, the National Health Service Corps Scholarship Program and the Armed Forces Health Professions Scholarship Program are included in this section. They both may provide financial support for medical students in return for service following graduation. (At this writing, there is a very strong likelihood that positions in the National Health Service Corps Scholarship Program will be extremely limited, if available at all, to students entering medical school in the fall of 1983.) They are not in the strictest sense financial aid programs since their selection criteria do not directly include financial need. However, for students who wish to serve either in a health manpower shortage area or in the Armed Forces, they are sources of funding for a medical education. Students interested in these programs should discuss them with the financial aid officer of the school as well as with the program representatives, and they should read the contract carefully and understand it fully before signing.

Loans

Health Education Assistance Loan (HEAL) Program. This is a program of insured loans for full-time health professions students who are U.S. citizens, permanent residents, or persons intending to become permanent residents and who are accepted or enrolled and in good standing in an M.D. program. Loans are available up to $20,000 a year with a maximum aggregate of $80,000. The rate of interest is normally computed quarterly throughout the life of the loan and is not to exceed the average of the bond equivalent rate of 91-day Treasury bills plus 3.5 percent. Unless prepaid, it is accrued and compounded until repayment is due. There is an insurance premium of no more than 2 percent per year of the amount of the loan payable in advance. The loan is repayable over a 10- to 25-year period starting nine to 12 months after completion of training. However, payments of principal and interest are not required—but interest shall accrue—during up to four years of residency training or during service in the Armed Forces, Peace Corps, National Health Service Corps, or VISTA program. The Secretary of the Department of Health and Human Services may enter into a service contract with a borrower for repayment by the federal government of such insured loans, at the rate of not more than $10,000 a year, for each year of service in the National Health Service Corps or in private practice in a health manpower shortage area. The borrower must serve for at least two years to be eligible. Although they may be made available in the future, no funds for service contracts have ever been appropriated. Interested students, once accepted at a medical school, should obtain current information and an application from the medical school financial aid officer.

Health Professions Student Loan Program. This program provides federal loan funds to be administered through individual medical schools. A full-time medical student who is a U.S. citizen or permanent resident of the United States and who has "exceptional financial need" may borrow up to a maximum of tuition plus $2,500 for each school year (or its equivalent) if that amount of assistance is determined to be necessary and if funds are available. Loans are repayable over a 10-year span which begins one year after the student completes or ceases medical studies. Repayment may be deferred for uniformed or Peace Corps service or for residency training. The interest rate on these loans is 9 percent. Interest starts accruing on the unpaid balance at the beginning of the repayment year.

Guaranteed Student Loan Program (GSLP). The Department of Education administers a Guranteed Student Loan Program under which a student may borrow directly from a bank, savings and loan association, credit union, or other participating lending institution. A maximum of $5,000 may be borrowed per academic year with a maximum total of $25,000 for all insured loans (including those received from the undergraduate level of study). Eligibility for the maximum loan amount requires a family income of less than $30,000. If the family income is above $30,000, both eligibility and the amount of the loan are determined by a financial need test. An origination fee of 5 percent of the principle amount of the loan is charged at the time the loan is made. Loan repayment begins six months after the student stops attending an eligible institution on at least a half-time basis. Deferments of up to three years are allowed for service in the Armed Forces, Peace Corps, or VISTA program or as a commissioned officer in the U.S. Public Health Service or if the borrower is temporarily totally disabled. A borrower may defer repayment for up to two years for medical residency training.

Applications for GSLP loans, which carry a 9 percent interest rate, may generally be obtained from any participating lending institution or from a medical school financial aid office. Students may qualify for a federal interest subsidy whereby the federal government, rather than the student, pays the interest on the student's outstanding loan during the time the student is in school; during a "grace" period (consisting of six months following graduation or termination of enrollment); and during any authorized deferment of the repayment period.

ALAS Program. The Department of Education also oversees the ALAS Program, under which a medical student may borrow up to $3,000 a year in addition to any amount borrowed in the same year through the Guaranteed Student Loan Program (GSLP) with a maximum aggregate of $15,000. The interest rate on this loan is 14 percent. Repayment is required to begin 60 days after disbursement of the loan. The deferments available to GSLP borrowers are also available to ALAS borrowers. This will mean that a *full-time* medical student is entitled to receive a deferment of principal payments on an ALAS loan (although interest would need to be paid or forborne). Except as noted above and for the fact that there is no federal subsidy, ALAS loans are basically subject to the other terms and conditions of the GSLP. In no case may an ALAS loan exceed a student's estimated cost of attendance less estimated financial assistance.

National Direct Student Loan (NDSL) Program. The Department of Education also administers the NDSL program. A medical student may borrow a maximum of $12,000; however, the limit includes any loans received during the student's undergraduate years of study. Repayment begins six months after the student graduates or leaves school for other reasons. The interest rate is 5 percent, chargeable on the unpaid balance of the loan principal over a 10-year repayment period. No payments are required for up to three years while the physician serves in the Armed Forces, Peace Corps, or VISTA program or as a commissioned officer in the U.S. Public Health Service or if the borrower is temporarily totally disabled. A borrower may defer repayment for up to two years for medical residency training.

Scholarships

Scholarships for First-Year Students of Exceptional Financial Need. First-year, full-time medical students who are U.S. citizens or permanent residents with "exceptional financial need" are eligible to apply for this program. It provides tuition for all other reasonable educational expenses and a stipend that is adjusted annually to cost of living increases. There is no service payback requirement under this program. These funds are extremely limited. Once accepted to medical school, students should consult the school financial aid officer about application procedures.

Other Federal Programs

National Health Service Corps Scholarship Program. The U.S. Public Health Service offers competitive support-for-service scholarships to applicants enrolled or accepted for enrollment as full-time students in M.D. or D.O. degree programs in nationally accredited U.S. schools of medicine or osteopathy. The availability of these scholarships is dependent upon annual federal appropriations and may be extremely limited for the fall of 1983. The scholarship, which may be continued through graduation (four year maximum), includes payment of tuition and other reasonable educational expenses plus a monthly stipend of $556 in 1982-83. The stipend may be taxable and is adjusted annually to cost of living increases. Recipients are obligated to provide full-time clinical patient care in assignments in federally designated health manpower shortage areas for one year for each year of support, with a minimum service obligation of two years. Service may be fulfilled by recipients, in whole or part, as salaried federal employees (Civil Service or USPHS Commissioned Corps) of the National Health Service Corps or as nonfederal private practitioners. Generally, deferments are given for completion of family practice, general internal medicine, general pediatrics, general psychiatry, or obstetrics-gynecology residency training.

More information and application materials are available by writing:

National Health Service Corps
Scholarship Program
Bureau of Health Personnel
Development and Service
Room G-15, Center Building
3700 East-West Highway
Hyattsville, Maryland 20782

Armed Forces Health Professions Scholarship Program. The Army, Navy, and Air Force offer scholarships under this program to U.S. citizens enrolled in or accepted for admission to accredited schools of medicine and osteopathy in the United States or Puerto Rico. Excluding room and board, these scholarships provide full tuition and payment of usual educational expenses plus a stipend and pay allowances of about $7,350 per year. Recipients are obligated to serve one year of active duty for each year of program participation, with a normal minimum of three years active military service. In addition, participants serve 45 days active duty for training annually with full pay and allowances prior to beginning full-time active duty.

More information on the respective programs is available from:

HQ Department of the Army
Office of The Surgeon General
(SGPE-PDO)
1900 Half Street, S.W.
Washington, D.C. 20324
Telephone (collect): (202) 693-5120

Bureau of Medicine and Surgery
Code 214
Department of the Navy
Washington, D.C. 20372

U.S. Air Force
Recruiting Service/RSHM
Randolph AFB, Texas 78150
Telephone (toll free): (800) 531-5980

Medical School Sources

Loans. University or medical school funds available for loans to students are established by budget allocation, alumni contributions, philanthropic foundations (such as the Kellogg Foundation or the Robert Wood Johnson Foundation), memorials, and industry. Interest rates and repayment plans vary widely. Emergency loans may also be available. Further information appears in the individual school entries in Chapter 10.

Scholarships. Virtually every medical school in the United States has available for its students some scholarships or grants-in-aid. Regardless of whether a school is privately or publicly supported, nonrefundable awards are usually made primarily on the basis of the individual's financial need, although scholastic performance may also be a factor in some cases. Generally, grants are made for one year and may be renewable thereafter. Some of the schools in Chapter 10 comment on their scholarship aid available to students.

Employment

It is generally agreed that it is preferable for medical students to borrow money and to utilize other resources, if possible, than to depend on employment during the medical school years. Employment, particularly during the first year of medical studies, is strongly discouraged by many schools. The heavy study load and the accelerated pace of the educational program require an adjustment for all entering medical students. Summer employment is possible in most but not all medical schools, and many medical students choose summer work in research laboratories or other health care environments which can provide both financial assistance and an educational experience. The federal College Work-Study Program assists schools to provide jobs for students.

Medical students' spouses often contribute to the financing of their husbands' or wives' medical education. Employment opportunities vary with locale and, of course, with individual qualifications. Usually those with professional or technical training or with special skills have little difficulty finding jobs in a medical center, university, or local community.

Students are urged to seek the counsel of appropriate faculty advisers if considering employment. If employment is feasible from an academic standpoint, the financial aid officer may provide information about the College Work-Study Program and employment opportunities.

Other Financial Aid Sources

The individual medical school financial aid officer is usually the best source of information and advice about securing financial aid whether or not the funds are administered by the school. Many states have programs of financial assistance available to state residents. Students should contact their medical school financial aid officer or the state department of education for information. A number of other non-school agencies also give awards to medical students; in many cases application is made directly to the agency. Frequently there are conditions and eligibility requirements involved. Students also may wish to make inquiries in their own localities; often civic and fraternal organizations as well as county and state medical societies may award funds. One such source is:

Scholarship Program
National Medical Fellowships, Inc.
Room 1820
250 West 57th Street
New York, New York 10019

National Medical Fellowships (NMF) awards scholarships to U.S. citizens from the four underrepresented minority groups (American Indians, mainland Puerto Ricans, Mexican-Americans, and black Americans) who have been accepted by or are attending accredited schools of allopathic or osteopathic medicine as candidates for the M.D. or D.O. degree. Most NMF awards are granted on the basis of financial need to first- and second-year medical students. However, special merit awards are given to outstanding juniors and seniors. Students should apply as soon as they have been accepted at a medical school. Application forms may be obtained from the address above after January 15 of the year in which the student expects to enter school. The deadline for first-year students to apply for support in the second year is March 15.

Post-M.D. Finances

Graduate medical students receive stipends. The amount differs from program to program but has been sufficient to provide subsistence. Many schools will assist graduating students by providing debt management information.

Information Sources

The following books, articles, brochures, and newsletters should be readily available in libraries, university counseling offices, and medical school student affairs offices, or they may be ordered directly from the publishers. Study of these materials may help students in their financial planning and lead them to further sources of financial aid.

1. *Educational Scholarships, Loans and Financial Aids.* Department of the Army Phamphlet 352-2: Dependents' Education Educational Scholarships, Loans, and Financial Aids. Revised biennially. Free. (HQ Department of the Army (DAAG-EDS), Washington, D.C. 20310)
2. Feingold, S. N. *Scholarships, Fellowships, and Loans.* Vol. VII. March 1982. $65.00 approx. (Bellman Publishing Company, P.O. Box 164, Arlington, Massachusetts 02174)
3. Keeslar, O. *Financial Aids for Higher Education, '81-'82 Catalog.* Tenth edition. $17.60 net, subject to change. (William C. Brown Company, 2460 Kerper Boulevard, Dubuque, Iowa 52001)
4. *The Health Education Assistance Loan Program: A New Way To Help Finance Your Health Professions Education.* U.S. Department of Health and Human Services, Health Services Administration. Free. (HEAL Branch, P.O. Box 1837, Hyattsville, Maryland 20788-0837)
5. *How To Pay for Your Health Career Education: A Guide for Disadvantaged Students.* Health Resources Administration. Free. DHEW Publication No. (HRA)80-612. (Executive Secretariat/ Publications, Room 3-22, 3700 East-West Highway, Hyattsville, Maryland 20782)
6. Iglehart, J. K. Shrinking Federal Support Brings New Era to Education in Health Professions. *New England Journal of Medicine,* 305 (No. 17): 1027-1032, October 22, 1981.
7. Mantovani, R. E. *Studies of Medical Student Financing: Medical School Finances and Institutional Characteristics, 1974-75.* Association of American Medical Colleges. 1977. $8.00. Order No. PB266-751/AS. (National Technical Information Service, 5285 Port Royal Road, Springfield, Virginia 22161)
8. Mantovani, R. E. *Studies of Medical School Financing: Medical Student Finances and Personal Characteristics, 1974-75.* Association of American Medical Colleges. 1977. $8.00. Order No. PB266-744/AS. (National Technical Information Service, 5285 Port Royal Road, Springfield, Virginia 22161)
9. *Scholarships, Fellowships, and Loans NEWS SERVICE.* Published quarterly with index. $28.00/year. (Bellman Publishing Company, P.O. Box 164, Arlington, Massachusetts 02174)

10. *A Selected List of Fellowship Opportunities and Aids to Advanced Education.* Free. (Publications Office, National Science Foundation, 1800 G Street, N.W., Washington, D.C. 20550)
11. *The Student Guide: Five Federal Financial Aid Programs, 1982-83.* Department of Education. Free. (Student Financial Assistance, P.O. Box 84, Washington, D.C. 20044)
12. *Survey of How Medical Students Finance Their Education.* U.S. Department of Health, Education, and Welfare, Public Health Service. December 1975. $12.50. Order No. PB250-429/AS. (National Technical Information Service, 5285 Port Royal Road, Springfield, Virginia 22161)
13. Weiler, W. C. Loans for Medical Students: The Issue of Manageability. *Journal of Medical Education,* 51: 447-453, June 1976.

Chapter 7

Information for Minority Group Students

This chapter has been prepared to inform prospective applicants from groups currently underrepresented in the medical profession of the services available to assist them in preparing for a medical career and in applying to medical school. In addition, for each medical school the chapter provides enrollment data for selected groups and identifies the individual at each school to contact for information regarding recruitment programs and admission policies.

Black Americans, American Indians, Mexican Americans, mainland Puerto Ricans, and individuals from low-income families are the predominant minority groups not adequately represented in medical care, teaching, and research. Medical schools are committed to increasing educational opportunities for these groups. (See AAMC Statement on Medical Education of Minority Group Students.) Through the medical schools' recruitment activities and summer programs, qualified, motivated, and dedicated underrepresented minority students are being encouraged to pursue careers in medicine. However, recruitment and admission of minority students are only two aspects of the expansion of opportunities for minorities in medicine. Once matriculated, minority students may be assisted by the academic and personal support system that the medical schools provide. These support systems promote the successful completion of medical studies by minority students and thereby help achieve the ultimate goal: increasing the numbers of minority physicians available to enter careers in patient care, teaching, and research.

Over the past decade, first-year and total enrollment of underrepresented minority students have increased substantially. From 1973-74 to 1981-82, first-year minority enrollment increased by 28 percent from 1,301 to 1,671 respectively (Table 7-A). Minority enrollment in all years increased by 46 percent from 3,765 in 1973-74 to 5,503 in 1981-82 (Table 7-B). Proportionally, in 1981-82 minority students represented 9.7 percent of the first-year class and 8.3 percent of all students. The percentage for first-year enrollment is slightly lower than that recorded in 1974 (10.0 percent for first-year) and slightly higher than total enrollment (8.1 percent for total), when minority student enrollment peaked as a percentage of all students. Of particular interest is the continuing increase in the proportion of minority women enrolled in medical school. In the 1981-82 academic year, approximately 40 percent of the minority students enrolled were female as compared with approximately 27 percent in 1973-74. Table 3-G in Chapter 3 presents additional information pertaining to the number of underrepresented minorities enrolled in medical school in 1981-82.

Table 7-C identifies the person primarily responsible for minority affairs at each U.S. medical school. This person should be contacted for information about entry requirements, application procedures, financial aid, and summer programs. The table also shows the number of black American, American Indian, Mexican American, and mainland Puerto Rican students in the first-year class and in all classes at each medical school.

Information on each school's program to recruit, admit, and retain educationally and

AAMC Statement on Medical Education of Minority Group Students

Following is the text of a policy statement on the medical education of minority group students adopted December 16, 1970, by the Executive Council of the Association of American Medical Colleges:

The AAMC and its constituent members are directing earnest attention and effort toward the goal of increasing minority opportunities in medical service, teaching, and research. A detailed description of these goals is contained in the "Report of the AAMC Task Force to the Inter-Association Committee on Expanding Educational Opportunities in Medicine for Blacks and Other Minority Students" that was approved by the AAMC Executive Council on May 7, 1970.

Medical schools, working with cooperating preprofessional colleges, are urged to help increase minority student awareness of the opportunities for professional education and the specific preparation necessary for medical school. Minority students, thus motivated, prepared, and recruited, should be provided encouragement to complete their course of study.

In order to provide the most conducive educational milieu, medical schools are urged to identify a faculty member or administrator who can be specifically charged with responsibility for minority student affairs. This individual should work closely with the AAMC Group on Student Affairs (GSA) and should represent the medical school in GSA minority affairs activities. An individual from a minority group may be particularly effective in this position.

In developing new and modifying existing educational programs, medical school faculties should be aware that minority students, while not always as well prepared in the traditional sciences basic to medicine, bring to the profession special talents and views which are unique and needed. Educational programming for all medical students should be sufficiently flexible to allow individual rates of progress and individualized special instruction. With such programming, the opportunity for minority student success will be maximized.

The AAMC-AMA Liaison Committee on Medical Education is strongly encouraged to review critically the degree of individual opportunity provided in medical school curricula. The Liaison Committee is also urged to include in its membership (and on its accreditation teams where possible) individuals with special knowledge and experience in the education of minority group students.

Financial assistance for minority students must be maximized and medical schools are urged to pursue actively the expansion of minority student support funds at the local, state, and federal levels. The Association is making known to the American public and to the Federal Government these needs for increased financial aid for minority students.

economically disadvantaged students can be gathered from the individual school entries in Chapter 10. More detailed information is provided in the Association of American Medical Colleges (AAMC) Office of Minority Affairs publication, *Minority Student Opportunities in U.S. Medical Schools* (see reference 9). The Office of Minority Affairs also works with medical school admission committees to help them make better use of noncognitive information in the assessment and selection of nontraditional applicants. Another effort in this area was carried on by the Association's Task Force on Minority Student Opportunities in Medicine, which in September 1978 completed its final report containing recommendations to improve opportunities for groups currently underrepresented in medicine. A plan to implement these recommendations was developed and has been initiated.

Additional information concerning medical school minority student programs can be secured from premedical advisers at the undergraduate colleges and from:

Student National Medical
Association, Inc.
Suite 1000
1133 15th Street, N.W.
Washington, D.C. 20006

Medical Minority Applicant Registry

One of the services initiated by the AAMC for students from minority groups is the Medical Minority Applicant Registry (Med-MAR). This program provides the opportunity for any medical school applicant belonging to a minority group to have basic biographical information circulated automatically, at no cost, to the admission offices of all U.S. medical schools as well as to other health services organ-

(Text continued on page 60.)

Table 7-A

Selected Minority Group Enrollment in First-Year Classes in U.S. Medical Schools, 1973-74 Through 1981-82*

	Black American		American Indian		Mexican American		Mainland Puerto Rican		
Year	Number Enrolled †	% of Total First-Year Enrollment	Number Enrolled	% of Total First-Year Enrollment	Number Enrolled	% of Total First-Year Enrollment	Number Enrolled	% of Total First-Year Enrollment	Total First-Year Enrollment
1973-74	1,027	7.3	44	0.3	174	1.2	56	0.4	14,154
1974-75	1,106	7.5	71	0.5	227	1.5	69	0.5	14,763
1975-76	1,036	6.8	60	0.4	224	1.5	71	0.5	15,295
1976-77	1,040	6.7	43	0.3	245	1.6	72	0.5	15,613
1977-78	1,085	6.7	51	0.3	246	1.5	68	0.4	16,136
1978-79	1,061	6.4	47	0.3	260	1.6	75	0.5	16,501
1979-80	1,108	6.5	63	0.4	290	1.7	86	0.5	16,930
1980-81	1,128	6.6	67	0.4	258	1.5	95	0.5	17,186
1981-82	1,196	6.9	70	0.4	300	1.8	105	0.6	17,268

*First-year class enrollment figures include new entrants and those students repeating, reentering, or continuing the initial year.

†These figures include black Americans enrolled at predominantly black schools. In 1981-82, a total of 284 were enrolled at Howard, Meharry, and Morehouse medical schools.

Table 7-B

Selected Minority Group Total Enrollment in U.S. Medical Schools, 1973-74 Through 1981-82

	Black American		American Indian		Mexican American		Mainland Puerto Rican		
Year	Number Enrolled*	% of Total Enrollment	Number Enrolled	% of Total Enrollment	Number Enrolled	% of Total Enrollment	Number Enrolled	% of Total Enrollment	Total Enrollment
1973-74	3,049	6.0	97	0.2	496	1.0	123	0.2	50,751
1974-75	3,355	6.3	159	0.3	638	1.2	172	0.3	53,554
1975-76	3,456	6.2	172	0.3	699	1.3	197	0.4	55,818
1976-77	3,517	6.1	186	0.3	780	1.4	232	0.4	57,765
1977-78	3,587	6.0	201	0.3	831	1.4	261	0.4	60,039
1978-79	3,537	5.7	202	0.3	882	1.4	277	0.4	62,213
1979-80	3,627	5.7	212	0.3	964	1.5	283	0.4	63,800
1980-81	3,708	5.7	221	0.3	951	1.5	329	0.5	65,189
1981-82	3,884	5.9	229	0.3	1,040	1.6	350	0.5	66,298

*These figures include black Americans enrolled at predominantly black schools. In 1981-82, a total of 873 were enrolled at Howard, Meharry, and Morehouse medical schools.

Table 7-C

Minority Student Information by Individual U.S. Medical Schools

		Minority Enrollments, Fall 1981 (First-Year Class/All Classes)*			
Medical School	Contact Person or Office	Black American	American Indian	Mexican American	Mainland Puerto Rican
Total		1,196/3,884	70/229	300/1,040	105/350
Alabama	Dr. Nassif J. Cannon Co-Director, Office of Medical Student Affairs	8/34	0/1	0/2	1/2
Alabama, South	Dr. Clyde G. Huggins Associate Dean and Chairman, Committee on Admissions	4/9	0/0	0/0	0/0
Albany	Dr. Robert Chodos Assistant Dean for Student Affairs	1/7	0/0	0/0	2/4
Albert Einstein	Dr. Sylvia Ramos-Burch Educational Programs Coordinator	6/17	0/1	0/0	6/11
Arizona	Dr. Andrew M. Goldner Associate Dean, Student Affairs	1/2	0/1	7/17	0/1
Arkansas	Bill E. Bauknight Director, Office of Minority Student Affairs	10/34	0/2	0/2	1/1
Baylor	Billy B. Rankin Director of Admissions	6/18	0/1	18/59	0/0
Boston University	Dr. Patricia Whitley Assistant Dean for Minority Affairs	13/47	1/3	4/13	2/14
Bowman Gray	Dr. Velma G. Watts Director, Minority Affairs	8/25	0/6	1/3	0/3
Brown	A. James Powell Minority Affairs Officer	5/22	1/1	1/2	3/8
California, University of					
Davis	Margie Beltran-Atencio Senior Student Affairs Office (Director of Special Services for Students)	3/8	0/2	3/15	1/1
Irvine	Maria Garcia McGarvin Director of Admissions	6/23	1/3	10/51	0/1

Table 7-C (Continued)

Minority Student Information by Individual U.S. Medical Schools

Medical School	Contact Person or Office	Minority Enrollments, Fall 1981 (First-Year Class/All Classes)* Black American	American Indian	Mexican American	Mainland Puerto Rican
Los Angeles (UCLA)	Dr. William Figueroa Chairman, Admissions Subcommittee for Disadvantaged Applicants	20/53	1/1	9/49	0/1
San Diego	Dr. Percy J. Russell Assistant Dean	10/24	0/5	11/30	0/0
San Francisco	Dr. Albert L. Jones Chairperson, Committee on Admissions	13/54	0/3	12/45	0/5
California, Southern	Althea Alexander Director, Minority Affairs	4/20	0/0	6/21	0/0
Caribe – Cayey	Dr. Carmen A. Escoda Dean of Students	0/0	0/0	0/0	4/9 †
Case Western Reserve	Dr. Audrey H. Evans Associate Dean for Student Affairs	12/53	3/5	2/5	3/5
Chicago Medical	Dr. Theodore Booden Associate Dean for Student Affairs	5/21	0/0	0/0	0/0
Chicago-Pritzker	Dr. Ernest Mhoon Assistant Dean of Students	3/10	0/0	4/7	0/0
Cincinnati	Dr. Sandra Bridwell Assistant Dean, Learning Resources and Educational Opportunities	16/57	0/0	3/4	1/2
Colorado	Dr. Ben Cordova Office of Minority Affairs	1/7	0/3	7/38	0/0
Columbia	Dr. Bernard D. Challenor Associate Dean for Hospital Affairs	8/24	0/0	1/1	1/7
Connecticut	Dr. Richard Worrell Assistant Dean for Student Affairs	4/11	0/0	0/0	1/4
Cornell	Dr. Bruce L. Ballard Associate Dean	11/33	0/1	0/4	6/13

Table 7-C (Continued)

Minority Student Information by Individual U.S. Medical Schools

		Minority Enrollments, Fall 1981 (First-Year Class/All Classes)*			
Medical School	Contact Person or Office	Black American	American Indian	Mexican American	Mainland Puerto Rican
Creighton	Arlene Rhodes Minority Affairs Officer	1/9	0/1	5/19	0/0
Dartmouth	Dr. George Margolis Minority Affairs Coordinator	4/13	1/5	3/4	0/0
Duke	Dr. Arthur C. Christakos Associate Dean for Medical Education	5/32	0/2	0/0	0/0
East Carolina	Dr. Zubie Metcalf Director, Center for Student Opportunities	8/17	1/5	0/0	0/0
Emory	Dr. John H. Stone Assistant Dean	3/25	0/0	0/0	0/1
Florida	Willie J. Sanders Director of Minority Relations	12/43	0/0	0/0	1/2
Florida, South	Dr. Julian J. Dwornik Associate Dean, Admissions	3/8	0/1	0/0	0/0
Georgetown	Dr. Arthur H. Hoyte Assistant Chancellor for Community Affairs	11/39	0/2	1/2	0/2
George Washington	Dr. Robert I. Keimowitz Associate Dean for Student Affairs and Admissions	9/28	1/3	0/0	0/1
Georgia	Dr. Thomas F. McDonald Associate Dean for Basic Sciences	9/34	1/2	1/2	0/0
Hahnemann	Alterman Jackson Director, Minority Affairs Office	21/50	0/1	1/4	2/6
Harvard	Dr. Alvin F. Poussaint Office of Student Affairs	11/62	3/6	6/23	5/17
Hawaii	Dr. Benjamin B. C. Young Acting Associate Dean for Student Affairs and Director, Special Opportunities Programs	0/1	0/0	0/0	0/0

Table 7-C (Continued)

Minority Student Information by Individual U.S. Medical Schools

Medical School	Contact Person or Office	Minority Enrollments, Fall 1981 (First-Year Class/All Classes)* Black American	American Indian	Mexican American	Mainland Puerto Rican
Howard	Sterling M. Lloyd, Jr. Assistant Dean for Student Affairs	114/407	0/0	0/0	0/1
Illinois	Dr. William Wallace Associate Dean and Director, Urban Health Program	26/84	1/3	6/25	0/0
Illinois, Southern	John S. Epps Director, MEDPREP	10/19	0/0	0/0	0/0
Indiana	Stephanie A. Watkins Assistant Admissions Officer and Minority Admissions Adviser	10/34	0/1	1/3	0/1
Iowa	Dr. George L. Baker Associate Dean for Student Affairs	11/24	0/0	4/12	0/1
Jefferson	Dr. James H. Robinson Associate Dean and Director of Student Affairs	8/27	1/4	3/11	5/12
Johns Hopkins	Dr. Roland T. Smoot Student Affairs Adviser Office of Predoctoral Programs	15/42	1/2	1/4	0/0
Kansas	Melvin Williams Director, Affirmative Action	1/6	2/4	0/3	0/0
Kentucky	Kathy Hicks Director, Student Development Programs	2/10	0/1	0/0	0/0
Loma Linda	Dr. Gaines Partridge	3/11	1/3	0/0	0/0
Louisiana State—New Orleans	Dr. Edward Helm Coordinator of Minority Affairs	9/25	0/0	1/2	0/0
Louisiana State—Shreveport	Dr. William T. McElroy, Jr. Associate Dean, Admissions	5/15	0/2	0/0	0/1
Louisville	Dr. Michael A. Walker-Jones Director of Professional and Graduate Minority Affairs	5/18	0/1	0/1	0/0

Table 7-C (Continued)

Minority Student Information by Individual U.S. Medical Schools

		Minority Enrollments, Fall 1981 (First-Year Class/All Classes)*			
Medical School	Contact Person or Office	Black American	American Indian	Mexican American	Mainland Puerto Rican
Loyola-Stritch	Dr. Michael L. Rainey Associate Dean for Student Affairs	4/7	0/0	0/4	1/1
Marshall	Dr. Patrick I. Brown Assistant Dean for Medical Student Affairs	1/1	1/1	0/0	0/0
Maryland	Dr. Robert L. Harrell Assistant Dean, Minority Affairs	10/38	1/2	0/0	0/0
Massachusetts	Dr. Edgar Smith Provost	2/13	0/0	0/0	1/4
Mayo	M. Marsha Hall Administrative Assistant	2/7	1/4	1/3	0/0
Meharry	Dr. T. W. Johnson Assistant Dean of Student Affairs	140/411	3/7	2/5	2/3
Miami	Dr. Robert L. Bragg Associate Dean for Special Projects	4/12	0/0	0/1	0/1
Michigan State	Dr. John B. Molidor Assistant Dean for Admissions and Student Affairs	5/48	2/2	4/18	4/10
Michigan, University of	Dr. Ralph M. Gibson Assistant Dean for Student Affairs	25/74	1/3	1/3	1/3
Minnesota – Duluth‡	Dr. James G. Boulger Associate Dean	0/0	2/2	0/0	0/0
Minnesota – Minneapolis	Dr. Cassius Ellis Assistant to the Dean	4/22	2/9	9/33	0/1
Mississippi	Dr. Helen Barnes Acting Director, Office of Minority Student Affairs	8/30	1/1	2/3	0/0
Missouri – Columbia	Dr. Hazel J. Scott Assistant Dean	6/14	0/1	0/1	0/0

Table 7-C (Continued)

Minority Student Information by Individual U.S. Medical Schools

		Minority Enrollments, Fall 1981 (First-Year Class/All Classes)*			
Medical School	Contact Person or Office	Black American	American Indian	Mexican American	Mainland Puerto Rican
Missouri—Kansas City	Dr. Willie McLemore Director of Minority Affairs	4/20	0/4	1/4	0/0
Morehouse**	Dr. Milford W. Greene Assistant Dean for Admissions and Student Affairs	30/55	0/0	0/0	0/0
Mount Sinai	Dr. Barry Stimmel Dean of Admissions, Academic and Student Affairs	7/25	0/0	0/2	6/15
	Dr. Edward J. Ronan Assistant Dean for Academic Affairs				
Nebraska	Anece McCloud Minority Student Affairs Officer	8/12	0/3	6/7	0/0
Nevada	Dr. Jerry R. May Assistant Dean for Admissions	0/0	0/1	0/2	0/0
New Jersey: UMD New Jersey Medical	Foster Burnett Assistant Dean for Student Affairs	26/93	0/0	1/1	9/35
Rutgers	April Brown Assistant to the Dean for Minority Recruitment	9/47	0/0	1/1	2/7
New Mexico	Dr. Alonzo C. Atencio Assistant Dean for Minority Affairs	1/3	3/8	10/49	0/1
New York Medical	Dr. Anthony Clemendor Associate Dean for Minority Affairs	2/14	0/0	0/0	5/17
New York University	Dr. Veva H. Zimmerman Associate Dean	6/23	0/0	0/0	0/9
New York: SUNY Buffalo	Dr. Maggie S. Wright Assistant Dean for Student Affairs and Director of Minority Affairs	10/38	0/0	1/3	3/7

Table 7-C (Continued)

Minority Student Information by Individual U.S. Medical Schools

		Minority Enrollments, Fall 1981 (First-Year Class/All Classes)*			
Medical School	Contact Person or Office	Black American	American Indian	Mexican American	Mainland Puerto Rican
Downstate	Rudolph Williams Assistant Dean	12/53	0/0	1/2	2/10
Stony Brook	Dr. Aldustus E. Jordan Associate Dean and Financial Aid Officer	2/19	0/0	0/0	0/5
Upstate	Dr. Norton Berg Assistant Dean for Academic Achievement	10/24	0/2	0/0	0/0
North Carolina	Dr. Marion Phillips Associate Dean	29/84	1/4	0/0	0/2
North Dakota	Dr. Lois Steele Director, InMed Program	0/0	7/13	0/0	0/0
Northwestern	Dr. Dennis Perry Associate Professor, Microbiology-Immunology	5/24	0/0	2/2	0/0
Ohio, Medical College of	Dr. Barry Richardson Assistant Dean for Minority Affairs	10/22	1/3	0/3	1/1
Ohio, Northeastern	Charles G. Mickens Associate for Minority Affairs	2/6	0/0	0/0	0/0
Ohio State	Dr. Elson L. Craig Assistant Dean for Student Affairs	16/46	0/2	0/0	0/0
Oklahoma	Susan Massara Counselor, Office of Academic Counseling and Recruitment	3/11	5/17	0/2	0/0
Oral Roberts	Dr. Milton C. Olsen Assistant Dean for Student Affairs	3/4	0/1	1/1	1/1
Oregon	Beth Britton Associate Project Director of Minority Recruitment School of Nursing	0/0	0/1	0/1	0/0

Table 7-C (Continued)

Minority Student Information by Individual U.S. Medical Schools

Medical School	Contact Person or Office	Minority Enrollments, Fall 1981 (First-Year Class/All Classes)*			
		Black American	American Indian	Mexican American	Mainland Puerto Rican
Pennsylvania, Medical College of	Marlene E. Jefferson Director of Student Services	11/16	2/3	1/1	0/0
Pennsylvania State	Dr. Alphonse E. Leure-duPree	5/12	0/1	0/0	0/0
Pennsylvania, University of	Dr. Helen O. Dickens Associate Dean Iona Harper Assistant Director for Minority Affairs	11/43	0/0	2/2	1/2
Pittsburgh	Dr. Carolyn Carter Assistant Dean for Special Student Affairs	17/36	0/0	0/0	0/0
Ponce	Dr. José N. Correa Dean Victor M. Madera Associate Dean for Administration	0/0	0/0	0/0	1/8 †
Puerto Rico, University of	Dr. Arturo Santiago Dean of Student Affairs	0/1	0/0	0/0	6/18 †
Rochester	Dr. Carol W. Moore Associate Dean for Minority Affairs	3/8	0/0	0/0	1/3
Rush	Beverly B. Huckman Equal Opportunity Coordinator	6/27	0/0	0/4	0/2
Saint Louis	Admissions Office for Admissions	5/16	0/0	0/2	0/0
South Carolina, Medical University of	Dr. Allan A. Rashford Assistant Dean for Minority Affairs	5/16	0/0	0/0	0/0
South Carolina, University of	Director of Admissions	1/2	0/0	0/0	0/1
South Dakota	Office of Student Affairs	0/0	0/0	0/0	0/0
Stanford	Dr. Roger A. Peeks Chairman, Minority Admissions Panel	10/37	3/8	9/45	1/1

Table 7-C (Continued)

Minority Student Information by Individual U.S. Medical Schools

		Minority Enrollments, Fall 1981 (First-Year Class/All Classes)*			
Medical School	Contact Person or Office	Black American	American Indian	Mexican American	Mainland Puerto Rican
Temple	Charles S. Ireland, Jr. Assistant to the Dean	19/77	0/1	0/0	0/6
Tennessee State, East	Office of Academic Affairs	3/6	0/0	0/0	0/0
Tennessee, University of	Office of Affirmative Activities	4/11	0/0	0/0	0/0
Texas A&M	Office of Student Affairs	0/1	0/2	1/2	0/0
Texas Tech	Dr. Russell C. Baskett Associate Dean	3/6	0/1	12/22	0/0
Texas, University of					
Dallas (Southwestern)	Dr. Bryan Williams Associate Dean for Student Affairs	11/34	1/1	12/69	1/1
Galveston	Dr. Daniel Trevino Assistant Dean of Medicine for Student Affairs	6/21	0/1	18/55	0/3
Houston	Jackie Smith-Ross Minority Recruitment Counselor	10/17	2/3	18/43	1/1
San Antonio	Dr. Joe Bass Coordinator of Special Program	4/14	0/2	12/58	0/0
Tufts	Dr. James R. Morehead Coordinator for Minority Student Affairs	15/59	0/2	3/8	4/13
Tulane	Dr. Anna Cherrie Epps Assistant Dean for Student Services	13/42	2/2	2/4	0/2
Uniformed Services University	Col. Cecil B. Harris, MSC, USA Director of Accession of Qualified Underrepresented Applicants Program	6/21	1/3	3/5	1/3
Utah	Dr. Charles J. Nabors, Jr. Assistant Dean, Minority Affairs	2/3	3/5	2/11	0/0

Table 7-C (Continued)

Minority Student Information by Individual U.S. Medical Schools

Medical School	Contact Person or Office	Minority Enrollments, Fall 1981 (First-Year Class/All Classes)* Black American	American Indian	Mexican American	Mainland Puerto Rican
Vanderbilt	Richard M. Scott Assistant Dean of Student Services	6/18	0/0	0/0	0/0
Vermont	Dr. Carol F. Phillips Associate Dean for Admissions	0/0	0/0	0/0	0/0
Virginia, Eastern	Millicent E. Brown Assistant Dean for Community and Student Relations	6/19	0/0	0/0	1/3
Virginia, Medical College of	Dr. Miles E. Hench Associate Dean	9/33	0/0	0/2	1/1
Virginia, University of	Dr. E. W. Pullen Associate Dean and Director of Admissions	4/15	0/0	0/0	0/0
Washington University (St. Louis)	Dr. Robert Lee Assistant Dean for Minority Student Affairs	17/45	0/1	0/1	0/0
Washington, University of	Dr. Robert E. Drickey Minority Affairs Program	4/6	2/6	6/15	0/0
Wayne State	Marjorie A. Edwards Director, Minority Recruitment	24/79	0/1	1/4	0/2
West Virginia	Dr. David Z. Morgan Associate Dean	0/2	0/0	0/0	0/0
Wisconsin, Medical College of	Dr. Jose B. Torres Assistant Dean for Student Affairs and Director of Minority Affairs	21/43	0/2	15/36	2/5
Wisconsin, University of	Dr. LeRoy T. Brown Director, Health Sciences Opportunity Program	6/25	3/4	6/11	1/4

Table 7-C (Continued)

Minority Student Information by Individual U.S. Medical Schools

Medical School	Contact Person or Office	Minority Enrollments, Fall 1981 (First-Year Class/All Classes)*			
		Black American	American Indian	Mexican American	Mainland Puerto Rican
Wright State	Allen N. Pope Coordinator, Special Projects	18/36	0/1	1/2	0/0
Yale	Office of Admissions	11/41	0/0	1/4	0/1

Source: 1981-82 Fall Enrollment Survey. Reflects enrollments as of October 16, 1981, at 126 U.S. medical schools.

*The first figure under each category is the number of minority students in the 1981-82 first-year class; the second figure is the total number of minority students in the student body.

†These figures represent students who are mainland Puerto Rican residents only and do not include residents of the commonwealth of Puerto Rico.

‡Two-year school of basic medical sciences organized as an affiliate of an M.D. degree-granting school.

**Accredited to offer a two-year basic medical sciences curriculum; in process of establishing a full M.D. degree curriculum.

izations and institutions that request the Med-MAR lists. Students are invited to participate in Med-MAR by identifying themselves as belonging to an underrepresented minority group—black American, Mexican American, American Indian, mainland Puerto Rican, or individual from low-income family—on a questionnaire completed at the time they take the Medical College Admission Test (MCAT). Two Med-MAR lists are published annually (usually in July and November) and circulated to all U.S. medical schools. Upon receipt of Med-MAR lists, medical schools interested in certain students will correspond with them directly and request more detailed information.

It should be emphasized that inclusion of an applicant's name on a Med-MAR list does not mean that the application fees will be automatically waived. Waiver of medical school application fees is determined by each school on an individual basis. Similiary, fees for the American Medical College Application Service (AMCAS) are waived on an individual basis, and financial need is the determining factor. Fees for taking the MCAT are never waived.

For information about matters related to minority students, the applicant should write to:

Minority Student Information
Clearinghouse
Association of American Medical
Colleges
Suite 200
One Dupont Circle, N.W.
Washington, D.C. 20036

Financial Aid

Because of the variety and scope of financial assistance plans, both public and private, applicants to medical school need not feel that they are unqualified for admission solely because of financial status. Medical schools have been generally successful in providing adequate funding to meet the needs of their students. Before enrolling, applicants should obtain specific information from the medical schools about the opportunity for receiving financial assistance. (See Chapter 6.)

Financial assistance is usually made available to medical students in the form of a combination of direct scholarships and loans. The amount awarded is determined by most schools on the basis of economic need rather than on the basis of academic performance. Financial need is usually determined by a needs analysis system belonging to one of the national organizations established specifically for this purpose. Student aid comes from a variety of sources, some of which are listed below:

1. Directly from the medical school, usually from endowments or grants made to the school for use in the support of students.
2. The federally supported scholarship Program of First-Year Students of Exceptional Financial Need.
3. The federally supported National Health Service Corps Scholarship Program and the Armed Forces Health Professions Scholarship Program, which provide stipends plus educational costs in return for specific periods of service following graduation from medical school.
4. The federally supported Guaranteed Student Loan Program (Federally Insured Student Loan Program) and the Health Education Assistance Loan Program, under which the student borrows money from a bank or other private lender, a state, or a medical school, and the federal government guarantees to the lender repayment of the major portion of the loan and in some cases payment of the interest on the loan while the student is still in school.
5. The federally sponsored Health Professions Student Loan Program, which is limited to applicants of exceptional financial need and which also provides the option of repayment of loans in return for practice in a designated health manpower shortage area.
6. The federal National Direct Student Loan Program, which provides loans at 5 percent interest through the medical schools.
7. National Medical Fellowships, Inc., which for the last 20 years has consistently provided substantial financial aid to minority group students.
8. Loans or scholarship funds available to residents of certain states which enable them to study medicine. The amounts awarded and the programs themselves differ widely among the states that offer them.
9. Loans and scholarship funds available to medical students directly from various philanthropic organizations.

The status of the federal financial assistance programs described in 2, 3, 4, 5, and 6 in the preceding list is presently under scrutiny by the Congress and the Administration and is, therefore, subject to change. Students should obtain up-to-date information on each of these programs from the schools either when interviewed or accepted.

Further information about these sources and about financial aid programs in general is provided in Chapter 6. Information on admission procedures for individual medical schools is given in Chapter 10.

Research Opportunities

The National Institutes of Health is concerned about the inadequate number of minority physicians in biomedical research. In response to this concern, two programs have been established to expose minority students to medical research: the Minority Biomedical Support Program and the Minority Access to Research Careers Program.

The Minority Biomedical Support (MBS) Program, sponsored by the Division of Research Resources of the National Institutes of Health, supports institutional grants to involve undergraduate, graduate, and faculty participation in research. Its major objective is to increase the numbers of minorities engaged in biomedical research. In 1981 the MBS program sponsored research at 82 educational institutions.

Further information about the program can be obtained by writing to:

Minority Biomedical Support
Program
Division of Research Resources
National Institutes of Health
Bethesda, Maryland 20205

The Minority Access to Research Careers (MARC) Program, sponsored by the National Institute of General Medical Sciences, is designed to assist minority institutions in training more scientists and teachers in the biomedical sciences. Funding is provided through the MARC Faculty Fellowships, the Visiting Scientists Awards, the MARC Undergraduate Research Training Awards, and the new MARC Predoctoral Fellowship Awards. The MARC program proposes to enhance the qualifications of minority students pursuing graduate programs leading to the Ph.D. degree and to strengthen research training programs in the biomedical sciences by providing institutional fellowships to undergraduates.

Information on these programs can be obtained by writing to:

Elward Bynum, Director
MARC Program
National Institute of
General Medical Sciences
National Institutes of Health
Bethesda, Maryland 20205
Telephone: (301) 496-7941

Information Sources

Students may find the following articles, books, and brochures helpful in planning their medical careers.

1. *A Handbook for Minority Pre-Med Students.* American Medical Student Association. 1981. $2.00. (Membership Services, American Medical Student Association, P.O. Box 131, Chantilly, Virginia 22021)
2. *Bureau of Indian Affairs Higher Education Grant Program.* Free. (Bureau of Indian Affairs, Postsecondary Education, 1951 Constitution Avenue, N.W., Washington, D.C. 20204)
3. Cadbury, W., Jr., et al., (Eds.). *Medical Education: Responses to a Challenge/Minorities and the Disadvantaged: Development and Representation in the Health Professions.* 1979. $13.50. (Future Publishing Company, Inc., 295 Main Street, P.O. Box 330, Mount Kisco, New York 10549)
4. *Helping Hands: Horizons Unlimited in Medicine.* American Medical Association. $2.50, including handling. Order No. OP-160. (Order Unit, American Medical Association, P.O. Box 821, Monroe, Wisconsin 53566)
5. Lerner, M. *Medical School: The Interview and the Applicant.* 1981. $4.95. (Barron's Educational Series, Inc., 113 Crossways Park Drive, Woodbury, New York 11797)
6. Medical Education and Minorities. *Journal of Medical Education,* 53: 627-666, August 1978.
7. Melnick, V. L., and Hamilton, F. D. (Eds.). *Minorities in Science: The Challenge for Change in Biomedicine.* 1977. Softbound, $6.95; hardbound, $19.50. (Plenum Press, 233 Spring Street, New York, New York 10013)
8. *Minorities and Women in the Health Fields.* Department of Health and Human Services. $4.75. Stock #017-022-00655-3. (U.S. Government Printing Office, Washington, D.C. 20402)
9. *Minority Student Opportunities in U.S. Medical Schools, 1980-81.* Association of American Medical Colleges. 1980. $5.00. (Membership and Subscriptions, Association of American Medical Colleges, Suite 200, One Dupont Circle, N.W., Washington, D.C. 20036)
10. Odegaard, C. *Minorities in Medicine: From Receptive Passivity to Positive Action, 1966-76.* The Josiah Macy, Jr. Foundation. 1977. $4.00. (Independent Publishers Group, 14 Vanderventer Avenue, Port Washington, New York 11050)
11. *Selected List of Postsecondary Education Opportunities for Minorities and Women.* Prepared by Linda Byrd-Johnson and Carol J. Smith. 1981. $6.00. Stock #065-000-00118-7. (U.S. Government Printing Office, Washington, D.C. 20402)

Chapter 8

Information for Applicants Not Admitted to Medical School

Applicants who fail to gain admission to medical school should reassess their motivations for seeking to enter the field of medicine and consider alternative careers that may be as attractive and equally fulfilling to the applicant.

If the major motivation is a strong interest in research and teaching in the biological and life sciences, then entering a doctoral program in biochemistry, microbiology, physiology, anatomy, pharmacology, experimental psychology, or biology may be the pathway to a rewarding career. If the major motivation is to work with people in an assistive role, then teaching, clinical psychology, guidance counseling, or personnel management might be considered. If the major motivation is to be engaged in some aspect of the medical services industry, then hospital administration, optometry, podiatry, nursing, occupational therapy, physical therapy, pharmacy, radiation technology, radiation physics, medical technology, and nurse practitioner may provide very satisfactory alternatives. If the major motivation is to obtain prestige and a high income, an alternative career in business is more likely to satisfy the need.

Having reassessed their motivations, rejected applicants should attempt to analyze why they failed to gain admission. An important question should be whether their academic credentials are within a reasonable range. An applicant's academic record and Medical College Admission Test (MCAT) scores are carefully scrutinized by admission committees. Although these factors may be outweighed by other factors in admission committees' final decisions, applicants whose grades in the required science courses are in the minimum range or whose MCAT scores fall significantly below the national mean can conclude that their academic credentials were a significant factor in their failure to be admitted. If achievement in college course work has steadily improved and a high achievement in courses required for entrance was attainted late in the application cycle, applicants may decide that their full academic potential was not displayed at the time admission decisions were made.

The personal statement, which is requested in the application materials, is an important means for applicants to communicate their views of themselves and their aspirations. Criticism by knowledgeable advisers of the personal statement submitted previously might be useful for repeat applicants.

The number of schools applied to may have been too few or the selection of schools may not have been judicious. Public or private schools that receive state support are generally committed to accept a preponderance of legal residents of their state. Therefore, applicants' best chances for admission are at public or private medical schools within their own states. The optimum number of applications cannot be stated precisely. In general, the statistical chances of being admitted increase with the number of applications submitted, up to a point. However, with careful planning and good counseling, applicants can keep the number of applications and the concomitant cost of application within reasonable bounds.

Another important factor is the time in the application cycle when applications are filed. Applications filed early will receive earlier attention than those filed close to the deadline for receipt of applications. Schools vary in the timing of their acceptance decisions. (See Chapter 5.) In some instances, an applicant filing late in the application season may be considered at a time when there are relatively fewer positions available for which to compete.

Applicants who have reassessed their motivation and analyzed the possible reasons for failing to gain admission may decide to reapply. Usually, to reapply at least once is a reasonable decision. However, the following facts must be kept in mind. In the application cycle for the class admitted for the 1978-79 academic year, 48 percent of those applying for the first time were successful in gaining admission. Among repeat applicants, however, the overall acceptance rate was only 39 percent. The national data on applicants clearly show that, except for those who originally applied as college juniors, repeat applicants on the average fare less well than those applying for the first time as college seniors. Data also demonstrate that the acceptance rate for repeat applicants decreases steadily the further the year of application is beyond the year of graduation.

Reapplicants who have graduated must consider how to spend their time during the year when they are reapplying. Admission committees may view those who continue academic work more positively than those who abandon their studies. Continuation of academic work as a postbaccalaureate, non-degree candidate may be advantageous in improving an academic record. However, it must be remembered that only grades from summer sessions or fall terms will be available for timely submission to admission committees. Entering a master's or doctoral program with the idea of abandoning the program if reapplication to medical school is successful should be entertained only if applicants are willing to be candid with program directors and with admission committees about their plans. Working in a biosciences or health-related occupation may provide a modest advantage to reapplicants. Applying more than twice is not advised unless applicants are able to demonstrate striking achievements that set them apart and are significant additions to their credentials.

Foreign Medical Schools

The quality of the educational experience should be the primary concern to those students who wish to study medicine outside the United States. Traditionally, U.S. citizens attempting to study medicine abroad often sought entrance to highly regarded, nationally supported institutions in Western European countries, but for a variety of reasons in recent years it has become very difficult for foreign nationals, including U.S. citizens, to gain admission to those schools. Consequently, U.S. citizens are usually restricted in their options for foreign medical education to institutions where external assurance of the quality of the educational program is either minimal or totally lacking. In the United States and Canada quality assurance is maintained by the Liaison Committee on Medical Education, which carefully scrutinizes both the caliber of academic programs and the adequacy of resources of the institutions listed in this publication.

In 1980, the General Accounting Office (GAO), an investigative agency of the U.S. Congress, reported on six foreign schools which it studied and which were estimated to enroll about half of all U.S. citizens studying medicine abroad. The report stated:

> *The foreign medical schools GAO visited differed considerably, and the merits or problems of each school must be viewed separately. However, in GAO's opinion, none of them offered a medical education comparable to that available in the United States because of deficiencies in admission requirements, facilities and equipment, faculty, curriculum, or clinical training. While it is difficult to judge the adequacy of the foreign medical schools in all of these areas, a serious shortcoming at each school was the lack of adequate clinical training facilities. None of the foreign schools had access to the same range of*

clinical facilities and numbers and mix of patients as a U.S. medical school. (See reference 14.)

In recent years, there has been a growth in private and often profit-making medical schools in the island nations of the Caribbean and in Mexico that cater to U.S. students. These schools are frequently advertised in U.S. newspapers. The ads carry the implication of their having status because enrolled U.S. students are eligible to obtain federally guaranteed student loans from private lenders. This claim is not evidence of the quality of the school. The U.S. Department of Education will authorize loan eligibility for any U.S. citizen enrolled in most institutions of higher education recognized by their home countries. Characteristically, such schools require large application fees and high tuitions. Instruction is by large group lecture, with little opportunity for laboratory or clinical experience.

Placement services are also advertised which purport to be able to place U.S. students in foreign (and sometimes in domestic) medical schools. These services usually require significant fees (hundreds to thousands of dollars) and provide no service that cannot be obtained from college premedical advisers or through available reference materials.

In summary, the opportunities for U.S. citizens to obtain a quality medical education abroad are very restricted, and the possibility of being exploited by schools catering to the U.S. student market is great.

Return to the United States

The following facts should also be considered. In order to complete their education, most U.S. citizens who study medicine abroad plan either to attempt to transfer back to a U.S. medical school or to enter graduate medical education in the United States. U.S. medical schools anticipate stable enrollments and no appreciable change in the national applicant pool. Therefore, the number of positions available to applicants for advanced standing is not likely to increase in the foreseeable future. U.S. citizens who opt to go abroad for their medical education in the next few years will have about the same opportunity to transfer to a U.S. medical school as 367 of the 11,000 U.S. citizens studying medicine abroad who transferred in 1980.

Students seeking advanced placement in a U.S. medical school are expected by most schools to take the Medical Sciences Knowledge Profile (MSKP) examination administered once a year by the National Board of Medical Examiners. The MSKP examination provides an evaluation of students' knowledge in the seven basic science disciplines and the didactic material normally presented in the introductory courses of clinical diagnosis. While there is no passing score, the students' profiles of knowledge in these areas may be utilized by medical school faculties as one of the criteria in determining their suitability for acceptance with advanced standing. To assist in their considerations of candidates for advanced standing, medical school faculties are provided comparative data on the expected performance of students at the same level in the U.S. medical schools. In 1980, less than 13 percent of all MSKP examinees achieved overall scores above the 50th percentile of the U.S. population.

The MSKP examination is given in June each year. The registration deadline usually occurs two months prior to the examination. Students who are interested in taking the examination may obtain information by writing:

MSKP
Division of Student Services
Association of American Medical
Colleges
Suite 301
1776 Massachusetts Avenue, N.W.
Washington, D.C. 20036-1989
Telephone (202) 828-0603

Those who complete their medical education in a foreign school must meet defined eligibility requirements to enter accredited programs in graduate medical education in the United States. The Accreditation Council for Graduate Medical Education (ACGME) establishes these requirements which are based on the following principles: Students must have completed their medical education and have been accorded eligibility to practice medicine in the school's home country, and students must pass an examination recognized by the ACGME to determine the adequacy of their professional knowledge. At present, this exam is administered by the Educational Commission for Foreign Medical Graduates (ECFMG).

Some indication of the relative quality of foreign medical schools enrolling U.S. citizens can be obtained by review of the performance of their graduates on the ECFMG examinations in 1981. (See reference 17.) In addition, a study by the American Board of Internal Medicine showed that only 16 percent of U.S. citizen graduates of foreign medical schools passed the board's certifying examination compared with 81 percent of the U.S. medical school graduates who took the test. All of these students had completed their training in accredited graduate medical education programs in this country. (See reference 12.)

Before investing time and money in attending a foreign medical school, all of the factors discussed above should be carefully considered. The potential for frustration and future disappointment is great.

Information Sources

Applicants considering other careers are encouraged to consult the following professional associations and references.

1. American Association of Colleges of Pharmacy, Suite 201, 4360 Montgomery Avenue, Bethesda, Maryland 20014
2. American Podiatry Association, 20 Chevy Chase Circle, N.W., Washington, D.C. 20015
3. American Society for Allied Health Professions, Suite 300, One Dupont Circle, N.W., Washington, D.C. 20036
4. Association of Physician Assistant Programs, 2341 Jefferson Davis Highway, Arlington, Virginia 22202.
5. Association of Schools and Colleges of Optometry, Suite 210, 1730 M Street, N.W., Washington, D.C. 20036
6. Association of Schools of Public Health, Suite 404, 1015 15th Street, N.W., Washington, D.C. 20005
7. Association of University Programs in Health Administration, Suite 420, One Dupont Circle, N.W., Washington, D.C. 20036
8. Division of Baccalaureate and Higher Degree Programs, National League for Nursing, 10 Columbus Circle, New York, New York 10019
9. *Allied Health Education Directory.* 10th edition. 1981. $22.50 plus $2.00 shipping and handling. Order No. OP-100. (Order Unit, American Medical Association, P.O. Box 821, Monroe, Wisconsin 53566)
10. *Handbook for Foreign Medical Graduates, 1981.* Free. (Educational Commission for Foreign Medical Graduates, 3624 Market Street, Philadephia, Pennsylvania 19104)
11. *200 Ways To Put Your Talent To Work in the Health Field.* Single copy free; bulk copies $.15 each, prepaid. (National Health Council, 70 West 40th Street, New York, New York 10018)

Applicants considering foreign medical schools are encouraged to consult these information sources.

12. Meskauskas, J. A., et al. Performance of Graduates of Foreign Medical Schools on the Examinations of the American Board of Internal Medicine. *New England Journal of Medicine,* 297 (No. 15): 808-810, October 13, 1977.
13. Pestana, C. *The Rejected Medical School Applicant: Options and Alternatives.* 2nd edition. 1979, updated 1980) $12.00 plus $1.00 handling and $.66 tax for Texas residents. (Carlos Pestana, P.O. Box 32617, San Antonio, Texas 78216)
14. *Policies on U.S. Citizens Studying Medicine Abroad Need Review and Reappraisal.* November 21, 1980. Free. Document HRD-81-32. (Government Accounting Office Documents, P.O. Box 6015, Gaithersburg, Maryland 20877)
15. Quality of Preparation for the Practice of Medicine in Certain Foreign-Chartered Medical Schools. (Supplement) *Journal of Medical Education,* 56: 963-979, November 1981.
16. Relman, A. S. Americans Studying Medicine Abroad: The Distressing

Facts. *New England Journal of Medicine*, 299 (No. 16): 887-889, October 19, 1978.

17. Results of 1981 Educational Commission for Foreign Medical Graduates Examination. Free. (Educational Commission for Foreign Medical Graduates, 3624 Market Street, Philadelphia, Pennsylvania 19104)
18. Weinberg, E., and Bell, A. I. Performance of United States Citizens with Foreign Medical Education on Standardized Examinations. *New England Journal of Medicine*, 299 (No. 16): 858-862, October 19, 1978.
19. *World Directory of Medical Schools*. 5th edition. 1979. $16.25 prepaid. (WHO Publication Center USA, 49 Sheridan Avenue, Albany, New York 12210)

Chapter 9

Information for High School Students

The following discussion is for students in junior and senior high school who are comtemplating careers in the medical field and need up-to-date information in order to prepare for college. Information on educational preparation and long-range financial planning is outlined for both students and counselors so that proper educational planning may begin early.

As a preface to this planning, students should be aware that there are currently about two applicants for every available entering place in U.S. medical schools. Accordingly, alternative career choices must also be seriously considered during the planning of a college program. Further details about the competition for places and other health careers may be found elsewhere in this book, particularly in Chapters 2, 3, 5, and 8.

Although applicants outnumber the available places, many medical schools are seeking additional qualified candidates from groups that have been traditionally underrepresented in medicine (for example, individuals from minority, inner-city, small town, and rural backgrounds).

Careers in Medicine

Medicine is many careers; new opportunities are rapidly developing with each advance in medical knowledge and with each development in the organization of medical services. The physician's responsibilities cover a wide range of functions in the maintenance of health. These include diagnosing disease, supervising the care of patients, prescribing treatment, and participating in or leading a health care team dedicated to improved delivery of health care. Although most physicians provide direct patient care, some M.D. degree recipients concentrate on basic or applied research, become teachers or administrators, or combine various elements of these activities. Often the final career decision is made when the student is near completion of medical school.

Usually the physician selects an area within medicine in which to specialize, such as anesthesiology, community medicine, computer medicine, dermatology, family medicine, internal medicine, obstetrics and gynecology, ophthalmology, otolaryngology, pathology, pediatrics, preventive medicine, psychiatry, radiology, rehabilitative medicine, and surgery. There is a growing trend for more medical school graduates to enter primary care, which includes not only family medicine but also general internal medicine, general pediatrics, and some fields of obstetrics-gynecology and of psychiatry.

New patterns of practice are being called for and are emerging. A physician may choose from such varied settings as private office, group practice, clinic, hospital, laboratory, industry, military, university, government, or various combinations of these.

Physicians may be self-employed, in partnership, or salaried. The "advantages and disadvantages" of being a physician are difficult to enumerate because of the diversity represented within the profession. Benefits can be intellectual, social, emotional, and economic. The demands of a medical career are so great in terms of time, energy, and responsibility for other people's lives that a commitment to continuing service and education is essential.

Educational Preparation

What does it take to be a physician? Briefly, it takes physical, emotional, and intellectual stamina; a good adjustment to any handicaps; the desire to work with and for people; and particularly the ability to think logically and to use common sense. It usually involves three or four years of college, four years of medical school, and several years of graduate medical training. There are several programs that shorten the time between high school graduation and the awarding of the M.D. degree. These programs combine the undergraduate college and medical school curricula. Some of these programs are a result of special arrangements between a school of medicine and a particular undergraduate college and thus require enrollment in that respective undergraduate institution. Table 9 lists those few medical schools accepting high school seniors directly into the M.D. program on a provisional basis as of 1981-82. Students should refer to the individual school entries in Chapter 10 for further information.

An M.D. graduate may enter family practice or may choose some other specialty. Regardless of the choice, the vast majority of recent M.D. graduates have pursued several additional years of postgraduate education to seek certification as specialists.

Perhaps the best educational advice that can be given to a high school student who wishes to become a physician is to develop disciplined study skills and apply them to a college preparatory course. To qualify for admission to an accredited college—whether in preparation for medicine or for other health careers—it is usually recommended that students complete courses in the natural and physical sciences, English, foreign language, social studies, and mathematics. Most high schools provide counseling for students in planning their course of study.

The above basic requirements can be supplemented in many high schools with electives that broaden intellectual interests. The development of communication skills, including the ability to read with speed and comprehension, is essential to success in medical school and medical practice. Medical school admission committees usually do not request a high school transcript, but they do evaluate knowledge of scientific principles and broad intellectual abilities, social adjustment, and personality factors deemed necessary to meet the rigorous demands of medical study and practice. The high school years are of great importance in the early development of all of these capacities and qualities.

Able high school students are encouraged to investigate nontraditional opportunities for educational development that may be available to them. For instance, advanced placement work (college credit for college-level courses taken in high school) is quite acceptable for most prospective medical students, and it may provide the time to study more upper-level courses in college than might otherwise be available. (See AAMC Recommendations Concerning Advanced Placement in Chapter 5.) Some students are also able to obtain college credit through the College Level Examination Program (CLEP) for knowledge acquired outside the classroom. (See AAMC Recommendations Concerning CLEP in Chapter 5.) Further information is available from:

CLEP
Educational Testing Service
P.O. Box 1822
Princeton, New Jersey 08541

Table 9

U.S. Medical Schools Provisionally Admitting Students into the M.D. Program After Senior Year in High School, 1981-82*

Albany
Boston University
Brown
Jefferson
Louisiana State—Shreveport
Michigan, University of
Missouri—Kansas City
Northwestern
Ohio, Northeastern
Pennsylvania, Medical College of
Washington University (St. Louis)
Wisconsin, University of

Source: *1981-82 AAMC Curriculum Directory.* Association of American Medical Colleges, 1981.

*Since the Liaison Committee on Medical Education does not permit direct enrollment from high school to medical school, a final acceptance is also required.

High school summer vacations can be utilized to advance education in varying ways. Special study programs, travel, and a summer job that involves learning to assume responsibility can provide valuable experiences that may be of interest to medical school admission committees.

Paid and/or volunteer jobs can also be used by those interested in medical careers to explore a great variety of interests in the health fields.

Other Health Careers

Because of the large number of individuals interested in a career in medicine, medical school admission is competitive; thus, some well qualified applicants are not admitted. Because of the possibility of not being admitted and in order to clearly define career interests, it is advisable during the high school and college years to investigate such health-related careers as those mentioned at the beginning of Chapter 8. Many alternative health career educational programs (for example, pharmacy and physical therapy) are ordinarily begun after the sophomore year of college.

In addition to becoming familiar with the full range of health careers early in the educational process, it may be advisable in many cases to consider applying simultaneously to medical schools and to programs in other health fields so that a ready career alternative is available.

Choosing an Undergraduate College

There are hundreds of colleges and universities in the United States where a student can receive an excellent education and fulfill the specific subject requirements for entrance to medical school. There is no such thing as an approved list of "premedical" schools, since the courses offered at any accredited college are generally considered to be of satisfactory academic quality. *Accredited Institutions of Post-secondary Education* (published by the American Council on Education) is an annual directory listing all undergraduate schools in the United States that are accredited by the nation's six regional associations of schools and colleges. Another good basic reference is *The College Blue Book* (Macmillan Publishing Co., Inc.). These directories are available in many libraries.

In the opinion of most medical school admissions officers, a college should be selected not merely as a stepping stone to a professional career but rather because of its general educational opportunities as they relate to the applicant's personal qualities and needs.

The following questions were suggested by medical school admission officers, and they may prove helpful to students in analyzing their choice of colleges:

1. Does the college have a premedical advisory program?
2. Does the college offer the required courses I will need for medical school? Does it have strong science departments with adequate laboratory facilities? Does it have a reputation for high academic standards and good faculty?
3. Does the college offer the educational opportunities of the liberal arts as opposed to the purely technical? Will I have the chance to develop intellectual initiative and critical thinking above and beyond memorizing facts?
4. Is the college approved by the regional accrediting agency?
5. Regardless of size, does the college consistently graduate several students each year who are accepted to medical school? As a rule, students from colleges that provide several medical students per year are more successful in medical school than students from colleges that provide only an occasional medical student.
6. Do I think the college will appeal to me personally and socially as well as intellectually? Will I be happier in a small school with the chance to know instructors better or in a larger school with the intellectual stimulus of a large faculty and interaction with many able fellow students?

There are many sources of information and advice for students who are choosing the colleges to which they will apply. Some of these are listed below, but students and their families must make the final selection.

High School Counselors. Some high schools have much more elaborate counseling programs than others, but most provide some opportunity for students to seek advice about college planning. Often individual teachers, the principal, and the librarian can be helpful.

Individual Colleges. Through correspondence with different schools, discussion with enrolled students, and campus visits, the student can obtain valuable firsthand information.

Medical Schools. Upon request, medical schools will provide high school students and/or their counselors with catalogs and other appropriate references to assist in their educational planning.

Accrediting Agencies. The following regional associations accredit undergraduate schools and colleges in the United States:

1. Middle States Association of Colleges and Secondary Schools
2. New England Association of Colleges and Secondary Schools
3. North Central Association of Colleges and Secondary Schools
4. Northwest Association of Secondary and Higher Schools
5. Southern Association of Colleges and Schools
6. Western Association of Schools and Colleges

Financial Planning

In the United States, much attention is currently being directed toward the rising costs of acquiring a higher education and the need for more financial assistance for students. Aid is available, but its award is generally based on need. Parents of students seeking assistance through the college will almost certainly be asked to file a confidential report about their financial assets and liabilities.

High school is not too early to start carefully estimating expenses for the total educational span and analyzing the actual and potential income available from family resources, student earnings, and loans from a variety of national, regional, state, local, and institutional sources. Nonrefundable awards, such as scholarships, are sometimes available on a competitive basis for students with academic promise.

The trend in government scholarships for medical students is toward repayment by service in specific medical fields (for example, primary care) and/or in geographical areas of greatest need for medical care (for example, rural or inner-city).

Colleges differ considerably with respect to tuition, room and board charges, and the kinds and amounts of financial assistance available for their students. In exploring the facts as part of the process of choosing a college, one should be sure to ask for financial information and advice. Most college catalogs list approximate expenses and contain information that can help students with budgeting.

The student just starting college should recognize that preparation for a medical career is a lengthy and expensive undertaking; with adequate long-range planning, however, it should be possible to meet educational costs from the many resources available. These include family assets and income, gifts, scholarships, grants-in-aid, fellowships, prizes, awards, stipends, loans, summer employment, and part-time employment during the school year. The undergraduate school itself is usually the best source of information and advice, since many financial aid programs are administered by the colleges.

Federal funding is available for both undergraduate and medical education, but federal loan programs vary in the size of the loans granted and their ceiling amounts. Undergraduate students who are planning to utilize federal funding should be aware of those loan programs that will best offset the cost of each phase of their education. For example, the National Direct Student Loan (NDSL) Program offers $3,000 per year to a maximum of $12,000 to graduate students or professional students; whereas the Guaranteed Student Loan Program (GSLP) offers $5,000 per year to a maximum of $25,000 to graduate and professional students. (See Chapter 6.) If possible, undergraduate students with significant financial need should utilize NDSL funds. Once accepted to medical school, the students then should apply for GSLP assistance. Students should be aware, however, that the availability of funds at their undergraduate institution may prohibit this strategy.

Work programs during the academic year may sometimes be arranged through college or university placement offices; undergraduate students are cautioned against taking on a work load that would threaten their scholastic performance, which is one of the important indicators of ability to handle medical school course work. However, various part-time employment opportunities exist, and some colleges include such jobs as part of the financial aid program. Some participate in the federally established College Work-Study Program for students with demonstrated financial need. A medical school admission committee is likely to be favorably impressed by the student who can handle an appropriate amount of part-time employment and still acquire a broadly based undergraduate education with high grades while taking a full academic load.

In view of national economic trends, it is increasingly important for many prospective medical students to consider the possibility of meeting some of the costs of medical education through funds earned and saved during high school and college. A savings account started early during high school years can develop into a valuable resource. Prospective medical school applicants should see other sections of this book which outline the cost of medical education in the various medical schools (Chapters 6 and 10) and then develop a long-range plan for financing their higher education.

The federal government supports several different financial aid programs. Students enrolled or accepted for enrollment in an approved postsecondary educational institution may be eligible for assistance under these programs. Since federal programs may change from year to year as new legislation is enacted, the director of financial aid at each college is the best source of information about the current federal programs in which that college is participating. Major federal programs that are administered through the college's director of financial aid have included the following in recent years: the Pell Grants, formerly known as the Basic Educational Opportunity Grant (Basic Grants) Program; the Supplemental Educational Opportunity Grant (SEOG) Program; the National Direct Student Loan (NDSL) Program; the Guaranteed Student Loan Program (GSLP); and the College Work-Study (CW-S) Program. Further information concerning the above five programs is contained in *The Student Guide: Five Federal Financial Aid Programs, 1982-83.* (See reference 5.)

In some cases, applications for financial assistance, especially scholarships, are made while the student is still in high school. High school counselors should be able to provide current information about such opportunities as the National Honor Society Scholarship Program, National Merit Scholarship Program, and the Science Talent Search Program.

The foregoing comments offer able and resourceful students some ideas about the many ways of financing the undergraduate college phase of their education. Careful planning can prevent the stress of financial worry at a time when the student's intellectual energy should be concentrated on scholastic performance.

Information Sources

For further information on educational and financial planning the following may be of interest.

1. Cass, J., and Birnbaum, M. *Comparative Guide to American Colleges.* 10th edition. 1981. $10.95 (Harper and Row Publishers, Inc., 10 East 53rd Street, New York, New York 10022)
2. Kesslar, O. *Financial Aids for Higher Education, '81-'82 Catalog.* Tenth edition. $17.60 net, subject to change. (William C. Brown Company, 2460 Kerper Boulevard, Dubuque, Iowa 52001)
3. *Meeting College Costs.* Revised annually. Free. (College Board, Box 2815, Princeton, New Jersey 08541)
4. *Need a Lift? To Educational Opportunities, Careers, Loans, Scholarships, Employment.* $1.00 prepaid. (American Legion National Headquarters, Attn: *Need a Lift?*, P.O. Box 1055, Indianapolis, Indiana 46206)
5. *The Student Guide: Five Federal Financial Aid Programs, 1982-83.* Depart-

ment of Education. Free. (Student Financial Assistance, P.O. Box 84, Washington, D.C. 20044)

6. *200 Ways To Put Your Talent To Work in the Health Field*. Single copy free; bulk copies $.15 each, prepaid. (National Health Council, 70 West 40th Street, New York, New York 10018)

Chapter 10

Information About U.S. Medical Schools

Accredited by the LCME

Information about individual medical schools is given in the following two-page entries for 123 schools in the United States and 3 schools in Puerto Rico that will be considering applications for fall 1983 entering classes. The schools presented here have been either fully or provisionally accredited as of fall 1981 by the Liaison Committee on Medical Education (LCME), which is sponsored by the Association of American Medical Colleges (AAMC) and the American Medical Association (AMA).

New schools are considered for provisional accreditation when their first year is in operation and for full accreditation when all years are operating; thus, their first graduates are considered graduates of a fully accredited medical school. Provisionally accredited schools are eligible for membership in the AAMC.

The University of Minnesota – Duluth School of Medicine has a two-year basic medical science program; students transfer to the University of Minnesota Medical School – Minneapolis to complete their training. Morehouse School of Medicine is in the process of changing from a two-year program to a full M.D. degree program.

Table 9 in Chapter 9 lists those U.S. medical schools that accept high school seniors directly into their M.D. programs on a provisional basis as of 1981-82.

Expenses

Individual school entries provide the average budget for a single 1981-82 first-year student. This budget is broken down according to tuition, student fees, microscope information (rental fee or indication that student must provide microscope or school will provide microscope), and the total cost of all other related expenses, including room, board, books, supplies, transportation, and entertainment.

Abbreviations

Listed below are the abbreviations used in the school entries in this chapter.

AMCAS – American Medical College Application Service

CLEP – College Level Examination Program

GAPSFAS – Graduate and Professional School Financial Aid Service

GPA – Grade-point average

MCAT – Medical College Admission Test
    B – Biology
    C – Chemistry
    P – Physics
    SA:Q – Skills Analysis: Quantitative
    SA:R – Skills Analysis: Reading
    SP – Science Problems

NBME – National Board of Medical Examiners

WICHE – Western Interstate Commission for Higher Education

University of Alabama School of Medicine

Dr. James A. Pittman, Jr., Dean
Dr. Henry H. Hoffman, Director of Admissions
John Powell, Assistant Director of Student Financial Aid for Health Professions

Address inquiries to:
Director of Admissions
University of Alabama
School of Medicine
University Station
Birmingham, Alabama 35294
(205) 934-2330

General Information. The School of Medicine was founded in Mobile in 1859, shifted to the main campus of the University of Alabama in Tuscaloosa in 1920, and relocated in Birmingham in 1945. The University of Alabama School of Medicine, composed of the medical branches in Tuscaloosa, Birmingham, and Huntsville, was created in 1969. The School of Medicine in Birmingham is the main campus, and the School of Primary Medical Care in Huntsville and the College of Community Health Sciences in Tuscaloosa are branch campuses.

Curriculum. The academic program consists of three phases on basically a four-year program. Phase I (2 years) consists of education in the basic sciences. Initially, basic human biology, including anatomy, biochemistry, and physiology, is emphasized. This is followed by a study of disease processes and their therapy in pathology and pharmacology. The basic science years are completed by an integrative study of organ-system disorders. Throughout Phase I, the humanities are studied as related to medicine, and the skills necessary for physical diagnosis are developed.

Phase II, comprising the third and a part of the fourth year, consists of required rotation through the clinical science disciplines, involving participation under faculty supervision in the care of patients, both in the hospital and in ambulatory settings.

Phase III, comprising part of the fourth year, is an elective or individualized experience program. The student is permitted to choose from a variety of elective experiences or may design elective experiences meeting individual needs.

All entering students are assigned to the Birmingham campus for Phase I. In Phase II students are assigned to one of the three campuses of the University of Alabama School of Medicine. Individual preferences of students will be honored insofar as possible. Students in Phase III will be considered assigned to the same campus as for Phase II, although electives may be taken in a variety of locations.

Requirements for Entrance. The MCAT and three years of college are required. Each applicant must have at least 90 semester hours of acceptable credit from an accredited undergraduate institution. A program leading to the bachelor's degree is highly recommended and, in most instances, is required. Suitable major areas include the social sciences, humanities, and biological and physical sciences. It is strongly recommended that applicants also have some course work in the behavioral sciences. College work must include:

Biology: One academic year of general biology or zoology.
Chemistry: One academic year of inorganic chemistry and one academic year of organic chemistry. Both must include lab work.
Physics: One academic year of general physics including lab.
Mathematics: One academic year of college math, at least through a basic course in calculus.
English: Two academic years or enough to satisfy degree requirements at an accredited four-year institution.

Selection Factors. Application is made through AMCAS, and required interviews are arranged at the discretion of the admission committee. The scholastic record (GPA) and the MCAT results are factors that strongly influence the selection of applicants for interview. Alabama residents are given strong preference both for the interview and for the final selection process. Nonresident applicants must present superior academic credentials, such as a GPA of 3.6 or better and a score of 10 or above on each area of assessment of the MCAT. They must also have demonstrated evidence of nonacademic success and commitment. Race, religion, national origin, handicap, and sex are not factors in consideration for admission.

Selection is based on scholastic record, recommendations from the college faculty, personal interviews, scores on the MCAT, and evidence of professional promise. Alabama residents from rural areas and from minority groups are especially encouraged to apply.

Of 409 nonresident applicants for the 1981 entering class, 15 (3.7 percent) were accepted. A total of 508 state residents applied, and 176 (34.6 percent) were accepted. Thus, acceptances were issued to 191 (20.8 percent) of 917 applicants to obtain a class of 150 entering students. Other characteristics of the class were: *mean GPA*, 3.5; *sex*, acceptance rate of 20.9 percent of men applicants and 20.5 percent of women applicants; *undergraduate major*, 34 percent in biology, 30 percent in chemistry, 6 percent in science, 4 percent in mathematics, 3.3 percent in zoology, 3.3 percent in psychology, 2 percent in foreign languages, 2 percent in English, 2 percent in science/nonscience, and the other 13.4 percent divided among various fields.

Financial Aid. Accepted students may apply for loans or scholarships. Available funds are disbursed primarily on the basis of demonstrated financial need.

State scholarship/loans are available in limited numbers to Alabama residents who can demonstrate economic need. The loans may be repaid following graduation by the practice of medicine in designated areas of the state for the number of years stipulated by law or repaid in cash.

Phase I students are not permitted to work. Others are discouraged from seeking employment, but permission may be granted if scholarship is satisfactory and financial need cannot otherwise be met.

Information for Minorities. The admission committee attempts to identify and provide academic counseling and information to minority students early in their college careers to facilitate application processes. The medical school will consider waiver of application fees for disadvantaged students.

Timetable of Application and Acceptance for 1983-84 First-Year Class

School participates in AMCAS. See Chapter 4.

Filing of AMCAS application
  Earliest date: June 15, 1982
  Latest date: Nov. 1, 1982
School application fee after screening: $25
Acceptance notice to regular applicants
  Earliest date: Dec. 15, 1982
  Latest date: class starting date
Does have Early Decision Plan (EDP)
  For Alabama residents only
  EDP application period: June 15-Aug. 1, 1982
  Applicants notified by: Oct. 1, 1982
Applicant's response to acceptance offer
  Maximum time: 2 weeks
Deposit to hold place in class (applied to tuition): $50, due within 2 weeks
Deposit refundable prior to: April 15, 1983
Estimated number of new entrants: 150
Starting date: June 30, 1983

Expenses per Year for 1981-82 First-Year Class

Tuition
  Resident: $2,400
  Nonresident: $9,600
Student fees: $1,363
Microscope rental available from school: $150
Total average figure for all other expenses: $6,000

Information on 1981-82 First-Year Class

Number of	*In-State*	*Out-of-State*	*Total*
Applicants*	508	409	917
New Entrants †	145	5	150

*52% were interviewed.

†100% were interviewed, took the MCAT, and had baccalaureate degrees.

University of South Alabama College of Medicine

Dr. Stanley E. Crawford, Dean
Dr. Clyde G. Huggins, Associate Dean
for Academic Affairs
Debbie Stallings, Admissions Secretary

Address inquiries to:
Office of Admissions
Room 2015, Medical Sciences Building
University of South Alabama
College of Medicine
Mobile, Alabama 36688
(205) 460-7176

General Information. The College of Medicine of the University of South Alabama was approved by the Board of Trustees of the university in 1967; the legislature of the state of Alabama passed a resolution authorizing the college on August 19, 1967. The college admitted a charter class of 25 students in January 1973 and a full class of 64 students in September 1973. The basic medical sciences are housed on the university campus in a building which was completed in March 1974. The structure consists of a multidisciplinary laboratory building, which provides home base study units for each student. Clinical teaching is conducted at the University of South Alabama Medical Center and at affiliated units.

Curriculum. The first year is devoted to the basic sciences of anatomy, physiology, biochemistry, neuroanatomy, and embryology. However, opportunity for early introduction to clinical problems is afforded by courses such as correlation conferences and medical practice and society. The second year is organized around pathology and physical diagnosis, both of which span the entire year. In addition, microbiology/immunology and pharmacology each occupy half the year. Behavioral science spans the entire year and is an introduction to the clinical disciplines of psychiatry and neurology. Public health/epidemiology and medical genetics round out the second-year curriculum. All students are required to take and pass Part I of the NBME examinations at the end of the second year. The third year is composed of clinical clerkships in medicine, surgery, pediatrics, psychiatry, obstetrics, and family practice. The fourth year is primarily an elective one, composed of ten rotations of four weeks each. The student is required to select one rotation in each of the following: neurology, gynecology, and surgical specialties. Three of the remaining rotations may be used for approved extramural experiences. Students are required to take and pass Part II of the NBME examinations in September of the fourth year. A numerical grading system is used with the exception of the fourth year, during which a pass/fail system is used.

The philosophy of the institution is to utilize all of its existing resources, which provide opportunities for almost all of the experiences in clinical medicine. After acquiring a sound basis in scientific medicine, students then have the opportunity to select multiple tracks of study.

Requirements for Entrance. The MCAT and three years of college are required; the baccalaureate degree is highly desirable. Each applicant must have at least 90 semester hours of acceptable credit from an accredited undergraduate institution. Required courses are:

	Sem./Qtr.
General biology (with lab)	2/3
Must include principles of taxonomy and adequate study of cell structure, mitosis, meiosis, and elementary genetics.	
Inorganic chemistry (with lab)	2/3
Organic chemistry (with lab)	2/3
General physics (with lab)	2/3
Humanities	2/3
English composition	2/3
College mathematics-Calculus	2/3
Statistics may be substituted for one quarter or one semester.	

Other recommended courses are: quantitative analysis, comparative vertebrate anatomy, and a one-semester or one-quarter course covering the fundamentals of vertebrate embryology, including mammalian placentation.

Applicants are strongly urged to take the MCAT in the spring of the year of application and to have their basic science requirements completed at the time of application. Required course work in process or fall MCAT scores delay the processing of an application, thereby reducing the applicant's chances of gaining admission.

Selection Factors. The Committee on Admissions will consider seriously all candidates whose undergraduate academic work and scores on the MCAT indicate that they will be able to handle the rigorous curriculum of the College of Medicine. However, additional consideration will be given to more than scholastic achievement alone. Applicants will be considered from the standpoint of their potential to become conscientious and capable physicians. This assessment is not influenced by race, religion, nationality, or sex. Because the college is supported by the state of Alabama, preference is shown to residents of the state. Nonresidents of Alabama who do not have at least a GPA of 3.5 and a high performance level on the MCAT should not apply.

Of 215 nonresident applicants for the 1981 class, 4 were accepted. A total of 468 state residents applied, and 119 (25.4 percent) were accepted. Thus, acceptances were issued to 123 (18 percent) of the 683 applicants to obtain a class of 64 entering students. The mean GPA of the class was 3.48.

Disadvantaged, rural, and minority residents of Alabama are strongly encouraged to apply.

The application process consists of two stages: the preliminary AMCAS application and the final application, sent when requested by the committee. This latter application requires recommendations, a photograph, and a $25 fee. After review of the final application, the committee will select those applicants to be invited to the campus for interviews. Fee waivers, based solely on economic need, are granted when documented.

Financial Aid. Loan and scholarship funds are available on a limited class to entering students and upperclassmen. These are awarded on the basis of need. Although there are some opportunities for part-time and summer employment, students are discouraged from accepting employment during academic periods.

Timetable of Application and Acceptance for 1983-84 First-Year Class

School participates in AMCAS. See Chapter 4.

Filing of AMCAS application
  Earliest date: June 15, 1982
  Latest date: Nov. 1, 1982
School application fee to all applicants: $25
Acceptance notice to regular applicants
  Earliest date: flexible
  Latest date: flexible
Does have Early Decision Plan (EDP)
  For Alabama residents only
  EDP application period: June 15-Aug. 1, 1982
  Applicants notified by: Oct. 1, 1982
Applicant's response to acceptance offer
  Maximum time: 2 weeks
Deposit to hold place in class (applied to tuition): $50, due with response
Deposit refundable prior to: June 15, 1983
Estimated number of new entrants: 64
Starting date: Aug. 29, 1983

Expenses per Year for 1981-82 First-Year Class

Tuition
  Resident: $2,400
  Nonresident: $4,800
Student fees: $529
Microscope rental available from school: $25
Total average figure for all other expenses: $6,200

Information on 1981-82 First-Year Class

Number of	*In-State*	*Out-of-State*	*Total*
Applicants*	468	215	683
New Entrants †	63	1	64

*50% were interviewed.

†100% were interviewed and took the MCAT; 95% had baccalureate degrees.

University of Arizona College of Medicine

Dr. Louis J. Kettel, Dean
Dr. Andrew M. Goldner, Associate Dean, Student Affairs

Address inquiries to:
Admissions Office
University of Arizona
College of Medicine
Tucson, Arizona 85724
(602) 626-6214

General Information. The College of Medicine enrolled its first class of students in 1967. As a professional and graduate college of the University of Arizona located adjacent to the main campus, its programs provide education and training for both the M.D. and Ph.D. degrees.

The basic medical sciences building houses the medical library, student classrooms, faculty offices, research laboratories for the basic science departments, central animal quarters, and administrative offices

The clinical sciences building and the 300-bed teaching hospital are contiguous to the basic medical sciences building and contain both inpatient and outpatient facilities and all supporting services. In addition, clinical instruction is carried out at a number of affiliated hospitals and clinics in Tucson, Phoenix, and the surrounding rural areas and Indian reservations of Arizona.

Curriculum. The design of the program for medical students takes into consideration the existing trend toward increased integration between the clinical and basic sciences and utilizes the patient early in the learning experience. The curriculum is usually completed in four years and provides ample opportunity for elective choice in clinical and basic science areas according to student career goals. Upon graduation the physician is equipped to continue his postgraduate education in general or specialty practice, teaching, or research. A combined M.D.-Ph.D. program of study is offered at the College of Medicine.

Requirements for Entrance. All applicants who are residents of Arizona, Wyoming, Montana, and Alaska who meet the following will be considered for admission: completion of the MCAT within two years of application and successful completion of 90 semester hours (135 quarter hours) at an accredited college or university, including 30 semester hours of upper division courses. It is not necessary for all premedical requirements to be completed at the time of application. Specific requirements are:

	Sem./Qtr.
General biology or zoology	2/3
General chemistry	2/3
Organic chemistry	2/3
Physics	2/3
English	2/3

No preference is given to any particular kind of undergraduate academic major; however, applicants are encouraged to have a broad social science background.

Selection Factors. Applicants are chosen on the basis of intellect, character, and motivation. In evaluating candidates, attention is given to the entire academic record, results of the MCAT, college preprofessional committee evaluations, letters of recommendation, and personal interviews. All applicants will be interviewed by members of the faculty at the College of Medicine. Acceptance is dependent on far more than academic achievement. Each applicant is considered from the standpoint of the applicant's potential as a physician.

Preference is given first to residents of Arizona and next to a few highly qualified applicants who are WICHE certified residents of western states without medical schools which participate in the WICHE program (Alaska, Montana, and Wyoming). Applicants from states other than these will not be considered.

Accepted students for the 1981 entering class had the following characteristics: *mean GPA*, 3.57; *sex*, 38.6 percent women; *residence*, 97.7 percent from Arizona; *overall acceptance rate*, 30 percent of those seriously considered received acceptances, 105 acceptances were offered out of 345 applicants considered to obtain a class of 88 freshmen.

Disadvantaged, rural, and minority residents of Arizona are strongly encouraged to apply. The College of Medicine does not discriminate on the basis of sex, race, creed, national origin, or handicap in its admission policies.

Financial Aid. Federal and local scholarships and loans are available to students with financial need. One-half of the students are on full financial aid; two-thirds are receiving some financial aid. All determinations of need are made after an applicant is accepted for enrollment.

Timetable of Application and Acceptance for 1983-84 First-Year Class

School participates in AMCAS. See Chapter 4.

Filing of AMCAS application
  Earliest date: June 15, 1982
  Latest date: Nov. 1, 1982
School application fee: none
Acceptance notice to regular applicants
  Earliest date: Jan. 15, 1983
  Latest date: until class is enrolled
Does not have Early Decision Plan
Applicant's response to acceptance offer
  Maximum time: 2 weeks
Deposit to hold place in class: none
Estimated number of new entrants: 88
Starting date: July 29, 1983

Expenses per year for 1981-82 First-Year Class

Tuition
  Resident: $1,995
  Nonresident: not applicable
School provides microscope without charge
Total average figure for all other expenses:
  $6,650

Information on 1981-82 First-Year Class

Number of	*In-State*	*Out-of-State*	*Total*
Applicants*	324	373‡	697
New Entrants †	86	2‡	88

*46% were interviewed.

†100% were interviewed and took the MCAT; 98.9% had baccalureate degrees.

‡Only students certified by WICHE states (Alaska, Montana, and Wyoming) are considered.

University of Arkansas College of Medicine

Dr. Thomas Allen Bruce, Dean
Dr. Robert E. Bowling, Assistant Dean for Admissions
George W. Warner, Assistant Dean for Administration

Address inquiries to:
Office of Student Admissions, Slot 551
University of Arkansas
College of Medicine
4301 West Markham Street
Little Rock, Arkansas 72205
(501) 661-5354

General Information. The University of Arkansas College of Medicine was established in 1879 and in 1957 occupied the present facilities along with the colleges of nursing, pharmacy, health-related professions, and the 400-bed University Hospital. The T. H. Barton Institute for Medical Research, a nine-story wing, was added in 1960. A building for expanded instructional and library facilities was completed in 1978, and an ambulatory care center opened in 1980. A student union-residence building has accommodations for both single and married students. Clinical instruction is carried out in the University Hospital, two Veterans Administration hospitals (a 500-bed general hospital and a 2,000-bed neuropsychiatric hospital), the State Hospital for Nervous and Mental Diseases, and the Arkansas Children's Hospital. Certain senior electives are based at St. Vincent Infirmary, Baptist Medical Center, and community hospitals in area health education centers in several Arkansas cities.

Curriculum. Along with the standard courses in anatomy, biochemistry, and physiology, the first year includes a program to introduce the student to clinical contacts and concepts. This is accomplished with formal lectures in medicosocioeconomic topics, small group discussions, and faculty-supervised interviews with patients.

The duration of the second-year program is seven months; the study consists of a standard but shortened curriculum.

The third year is a full 48 weeks with rotation through the major clinical services. This expanded clinical year provides substantial preparation for the predominantly elective fourth year, which consists of a minimum of 36 weeks to a maximum of 48 weeks of courses selected with the assistance of a faculty adviser. On- and off-campus electives are available to round out preparation for each student's career goals. The traditional grading system (A, B, C, D, F) is used throughout. Opportunities are provided for students to engage in research activities and to pursue graduate courses leading to the M.S. and Ph.D. degrees.

Requirements for Entrance. The MCAT and at least 90 hours of accredited college work are required; a baccalaureate degree is strongly recommended.

Although no specific college courses are required, an applicant should present an adequate background in biology, chemistry, and physics. Courses selected from the following are recommended as preparation for the study of medicine.

Biology: General biology, zoology or botany, genetics, or embryology.
Chemistry: General chemistry, quantitative analysis, organic chemistry.
Physics and mathematics: General physics, statistics, or calculus.
Behavioral sciences: General or special psychology, sociology, ethnology, human ecology, or physical or cultural anthropology.
Humanities: English composition, world literature, logic, world history, or liberal arts.

No particular undergraduate field is given preference in the selection process; students representing a variety of backgrounds are sought. Applicants are encouraged to follow their own interests in selecting undergraduate majors and other college courses.

Applicants must have taken the MCAT by the fall preceding the deadline for acceptance of applications.

Selection Factors. Selection is based on scholastic attainment, performance on the MCAT, personal interviews with members of the faculty, and recommendations, particularly evaluations by college preprofessional advisory committees. Selection is made without regard to race, sex, creed, national origin, or handicap. Unsuccessful applicants may reapply without prejudice.

Accepted applicants for the 1981 entering class had the following profile: *mean GPA*, 3.6 (93 percent above 3.0); *sex*, 20 percent women; *residence*, no nonresident applicants were admitted; *undergraduate major*, 86 percent in science disciplines.

Although applications are accepted from students who are not residents of the state of Arkansas, preference must be given to qualified resident applicants. Nonresidents who do not have a GPA of at least 3.5/4.0 and scores of 10 or above on each section of the MCAT should not apply.

Financial Aid. To date, adequate financial aid has been provided to all students in need of assistance to complete their academic programs. Such assistance comes in the form of refundable loans and grant-in-aid funds provided by federal, state, school, and private sources. Some form of aid is now being received by approximately 68 percent of the students. The financial status of applicants is not a factor in selection.

While the University of Arkansas has no policy regarding student employment, students should not expect to be employed to the detriment of academic performance. In appropriate cases, students are assisted in obtaining employment at the university and elsewhere.

A limited number of scholarships based upon demonstrated academic excellence are awarded to first-year and advanced students.

Information for Minorities. Students from minority groups are encouraged to apply for admission, and their applications will receive every consideration given to other applicants. No special remedial programs are available prior to enrollment, but deceleration during the first year is possible in certain cases. Every effort is made by the faculty to assist all students academically as needs are individually defined. Nonrepayable financial assistance is provided, within program limits, to each student with demonstrated need.

Timetable of Application and Acceptance for 1983-84 First-Year Class

School participates in AMCAS. See Chapter 4.

Filing of AMCAS application
  Earliest date: June 15, 1982
  Latest date: Nov. 15, 1982
School application fee to all applicants: $10
Acceptance notice to regular applicants
  Earliest date: Dec. 15, 1982
  Latest date: varies

Does not have Early Decision Plan
Applicant's response to acceptance offer
  Maximum time: 2 weeks
Deposit to hold place in class: none
Estimated number of new entrants: 136
Starting date: Aug. 22, 1983

Expenses Per Year for 1981-82 First-Year Class

Tuition
  Resident: $2,400
  Nonresident: $4,800
Student fees: $200

Microscope rental available from school: $75
Total average figure for all other expenses
  $4,600

Information on 1981-82 First-Year Class

Number of	*In-State*	*Out-of-State*	*Total*
Applicants*	328	258	586
New Entrants †	136	0	136

*100% of in-state applicants were interviewed.

†100% were interviewed and took the MCAT; 99% had baccalaureate degrees.

University of California, Davis School of Medicine

Dr. Hibbard E. Williams, Dean
Dr. Faith T. Fitzgerald, Associate Dean for Student and Curricular Affairs and Chairperson, Admissions Committee
Dr. Don A. Rockwell, Associate Dean for Student Affairs

Address inquiries to:
Chairperson, Admissions Committee
Admissions Office
University of California, Davis
School of Medicine
Davis, California 95616
(916) 752-2717

General Information. The School of Medicine, University of California, Davis, admitted its first class in 1968. The school provides its students with a foundation of medical knowledge upon which they may proceed to careers in primary care, specialty practice, research, public health, or administration.

Curriculum. The curriculum was revised in 1980 to provide a balanced blend of basic and clinical sciences. Basic science courses are emphasized during the first year and continue into the second. Early clinical exposure is provided during the first year through a continuing course entitled The Diagnostic Process. Knowledge of essential concepts and techniques is emphasized in the first year and is amplified in the second year, utilizing selected clinical problems, both functional and organic. The third and fourth years provide continued application of the principles of basic science to solving clinical problems in the setting of clinical clerkships and electives. Many courses are departmental; others are interdisciplinary, being planned and presented by course committees composed of members from a variety of academic departments and disciplines. Beginning with the first year, students are given the opportunity to take elective courses to broaden their knowledge of the health sciences.

The Davis campus affords an exceptional environment. There are opportunities for interaction with other schools, colleges, departments, and laboratories of the university. Research, teaching, and service are interrelated, and the biological and allied sciences are emphasized. Close relationships are enjoyed with the School of Veterinary Medicine, the California Primate Research Center, the Laboratory for Energy Related Health Research, and the Food Protection and Toxicology Center.

First and second year students attend basic science classes in the Medical Sciences I complex in Davis. Very early in the student's training, use is made of the clinical facilities of the 404-bed University of California, Davis, Medical Center, Sacramento. The Medical Center offers a full range of inpatient services, diagnostic services, an ambulatory care program with over 100 specialty clinics, and 24-hour major emergency medical service.

A combined program for both the M.D. and Ph.D. degrees is available to qualified students.

Requirements for Entrance The MCAT and three years (90 semester hours or 135 quarter hours) in an approved college or university in the United States or Canada are required. To be acceptable, the MCAT must have been taken no earlier than 30 months prior to the date of application and no later than the fall prior to the year of anticipated matriculation. A course of study leading to a bachelor's degree is recommended.

The school believes a medical student should have a sound background in the humanities and behavioral and social sciences as well as in the physical and biological sciences. Premedical requirements must be completed by June of the year of desired entry. The following college level courses are required:

	Years
English	1
Biological science (with lab)	1
General chemistry (with lab)	1
Organic chemistry	1
If two or more undergraduate courses are offered, the more rigorous option is recommended.	
Physics	1
Mathematics	
Course work sufficient to satisfy prerequisites for integral calculus is required.	

Not required but recommended are courses in biochemistry, genetics, embryology, and integral calculus.

CLEP credit is not acceptable for prerequisite courses.

Selection Factors. The School of Medicine selects students for admission with a view to meeting the needs of society, of the medical profession, and of the school. Because the educational experience is enhanced by the interaction of students from various backgrounds, the school desires diversity in its student body. This is reflected in the school's commitment to expand opportunities in medical education for individuals from groups underrepresented in medicine as the result of societal discrimination and to increase the number of physicians practicing in underserved areas. Therefore, the Admissions Committee, which is composed of individuals from a variety of cultural backgrounds and which is representative of a broad spectrum of medical sciences, evaluates applicants in terms of all relevant factors. These include academic credentials, with due regard to how they may have been affected by disadvantage experienced by the applicant; such personal traits as character and motivation; experience in the health sciences and/or the community; career objectives; and the ability of the individual to make a positive contribution to society, the profession, and the school.

Factors that will be considered are the applicant's scholastic record, MCAT performance, and reports of teachers and advisers regarding intellectual capacity, motivation, and emotional stability. The faculty of the School of Medicine has established the minimum academic criteria for admission as an overall GPA of 3.0 and an average MCAT score of 9. Waivers of the minimum academic criteria may be granted to individual applicants upon request of the chairperson of the Admissions Committee to the Executive Committee of the Faculty. Characteristics which may make such applicants particularly attractive to the Admissions Committee are outstanding nonacademic achievements, capability for independent study, maturity, and other factors which suggest good academic potential.

A personal interview will normally be required of each applicant who is accepted. Regional interviews are not normally available. Primary consideration for admission will be given to students who are legal residents of California.

Financial Aid. All financial aid is awarded on the basis of demonstrated need and consists primarily of low interest loans, although some grant and scholarship money is available. Currently, 75 percent of entering students receive some type of financial assistance. Financial aid applications are mailed to all interviewed applicants beginning in January. Early application for aid is encouraged.

Timetable of Application and Acceptance for 1983-84 First-Year Class

School participates in AMCAS. See Chapter 4.

Filing of AMCAS application
  Earliest date: June 15, 1982
  Latest date: Nov. 1, 1982
School application fee to all applicants: $25
Acceptance notice to regular applicants
  Earliest date: Sept. 15, 1982
  Latest date: Oct. 1, 1983

Does not have Early Decision Plan
Applicant's response to acceptance offer
  Maximum time: 3 weeks
Deposit to hold place in class: none
Estimated number of new entrants: 100
Starting date: Sept. 26, 1983

Expenses per Year for 1981-82 First-Year Class

Tuition
  Resident: $1,014
  Nonresident: $3,814

School provides microscope without charge
Total average figure for all other expenses:
  $5,860

Information on 1981-82 First-Year Class

Number of	*In-State*	*Out-of-State*	*Total*
Applicants*	‡	‡	‡
New Entrants †	100	0	100

*100% were interviewed.
†99% were interviewed and took the MCAT.
‡Data not available.

University of California, Irvine
California College of Medicine

Dr. Stanely van den Noort, Dean
Dr. Horace Mitchell, Associate Dean, Medical Student Affairs
Maria Garcia McGarvin, Director of Admissions

Address inquiries to:
Office of Admissions
Medical Student Affairs
University of California, Irvine
California College of Medicine
Irvine, California 92717
(714) 833-5388

General Information. The California College of Medicine became an integral part of the University of California in 1965 and of the Irvine campus, located in Orange County, in 1967.

The Irvine campus offers resources to the California College of Medicine. Sharing of campus facilities and faculty, especially between the biological sciences, social sciences, physical sciences, and engineering, strengthens the teaching and research programs throughout the campus. Clinical instruction is carried on at the University of California, Irvine, Medical Center, Childrens Hospital of Orange County, VA Medical Center of Long Beach, Memorial Hospital Medical Center of Long Beach, St. Joseph Hospital, and other affiliated hospitals and clinics.

Curriculum. The curriculum consists of 17 instructional quintiles over a period of four years plus one vacation quintile. The first eight quintiles consist of preclinical instruction, and the last nine quintiles consist of clinical clerkships and electives. The core curriculum provides that body of knowledge and skills considered requisite for all those receiving the M.D. degree, regardless of their specific career choice.

The first eight quintiles of the program are taken sequentially by all medical students. These quintiles concentrate on the sciences basic to clinical medicine and research and preclinical courses. Seven quintiles of the core curriculum consist of clinical clerkships; approximately 40 hours of each clinical clerkship emphasizes primary and continuity of care. Two quintiles are designated for electives.

The focus of this curriculum is on active medical student participation toward the achievement of educational objectives. Demonstrations, small group discussions, seminars, laboratory work by students, student projects oriented to problem-solving, and exposure to clinical situations are integral parts of this focus.

An ongoing Academic Monitoring Program beginning with enrollment is coordinated by the Office of Medical Student Affairs to identify students in academic difficulty early in their course work and to ensure the availability of all resources before serious academic difficulties are encountered. Basic and clinical sciences advisers are assigned to all students to provide academic advice through their medical school years. A Peer Tutoring Program is available to all medical students to provide tutorial assistance in the basic and clinical sciences. Study skills training and NBME examinations review courses are also provided.

A letter grading scale (A, B, C, D, F) is used.

A combined M.D./Ph.D. program is available. Applicants for this program must submit separate applications to both the California College of Medicine and the Division of Graduate Studies and Research. The Graduate Division application must be for admission to a graduate department with an approved Ph.D. program. Applicants should note on both applications that they wish to be considered as M.D./Ph.D. candidates. Additional information may be obtained by writing to Dr. James Hall, M.D./Ph.D. coordinator.

Requirements for Entrance. The MCAT and a minimum of three years of college are required; however, almost all of the students who have been accepted in recent years had already obtained their bachelor's degrees. The latest MCAT that can be accepted is that given in the fall of the year preceding anticipated admission.

Special course requirements are:

	Years
Biology	1½
Inorganic chemistry	1
Organic chemistry	1
Physics	1
Calculus	(1 qtr.)

Applicants who do not meet these requirements or who do not indicate that these subjects will be completed by the date of entrance will not be considered for admission.

The faculty desires to admit students of diverse backgrounds; those with majors in social and behavioral sciences, physical sciences, mathematics, engineering, and humanities are encouraged to apply as well as those with majors in biological sciences.

Selection Factors. The Admissions Committee carefully reviews all applicants whose undergraduate record and scores on the MCAT indicate that they will be able to handle the rigorous curriculum of medical school. Careful consideration is given to applicants from underprivileged backgrounds (that is, deprived through social, cultural, and/or economic conditions). Minority applicants are strongly encouraged to apply. Applicants are selected on the basis of academic strength, intellectual ability, character, and motivation. Preference is given to California residents.

The AMCAS application is used for preliminary screening. These applications are reviewed, and, based upon the decisions of the committee, applicants may be asked to submit additional information. Invitations for personal interviews may be extended. The California College of Medicine does not provide funds for interview trips; however, interview reports from other medical schools may be submitted in place of on-campus interviews. Regional interviews may be scheduled in some areas.

The Admissions Committee reviews the academic records, letters of recommendation, and the results of personal interviews before making its final selections. Acceptances are granted on approximately October 15 and thereafter until the class is filled.

The 1981 entering class had the following statistics: *mean science GPA*, 3.58; *mean nonscience GPA*, 3.59.

Financial Aid. The Office of Medical Student Financial Aid offers a variety of aid programs to assist medical students. To qualify for assistance from most of these programs, an applicant must demonstrate financial need. The aid programs consist of scholarships, grants, and loans. Currently, approximately 87 percent of the entering students receive aid of some type.

Information for Minority and Disadvantaged Applicants. Qualified applicants from minority and disadvantaged backgrounds are encouraged to apply. The application fee may be waived to individuals who have been granted a fee waiver by AMCAS. Programs for the recruitment and retention of minority and disadvantaged students have been developed through the Office of Medical Student Affairs and are supported in part by a grant from the Health Careers Opportunity Program (HCOP).

Timetable of Application and Acceptance for 1983-84 First-Year Class

School participates in AMCAS. See Chapter 4.

Filing of AMCAS application
  Earliest date: June 15, 1982
  Latest date: Nov. 15, 1982
School application fee after screening: $25
Acceptance notice to regular applicants
  Earliest date: Oct. 15, 1982
  Latest date: Sept. 1983

Does not have Early Decision Plan
Applicant's response to acceptance offer
  Maximum time: 2 weeks
Deposit to hold place in class: none
Estimated number of new entrants: 96
Starting date: Sept. 7, 1983

Expenses per Year for 1981-82 First-Year Class

Tuition
  Resident: $1,014
  Nonresident: $3,894

Microscope rental available from school: $120
Total average figure for all other expenses: $5,180

Information on 1981-82 First-Year Class

Number of	*In-State*	*Out-of-State*	*Total*
Applicants*	2,830	503	3,333
New Entrants †	92	4	96

*15% were interviewed.

†100% were interviewed, took the MCAT, and had baccalaureate degrees.

University of California, Los Angeles
UCLA School of Medicine

Dr. Sherman M. Mellinkoff, Dean
Dr. Martin A. Pops, Associate Dean
Dr. Kathryn Fink, Assistant Dean

Address inquiries to:
Office of Student Affairs
Division of Admissions
University of California, Los Angeles
UCLA School of Medicine
UCLA Center for Health Sciences
Los Angeles, California 90024
(213) 825-6081

General Information. The UCLA School of Medicine accepted its first class of medical students in June 1951 and graduated its first class in 1955. The medical school is situated on the campus of the University of California, Los Angeles, where the faculty and students of the school are an integral part of university life. A large biomedical library and the University Hospital are parts of the medical school structure. Close affiliation exists between the UCLA School of Medicine and the Los Angeles County Harbor/UCLA Medical Center, the Veterans Administration hospitals at Los Angeles and Sepulveda, and the Cedars-Sinai Medical Center.

Curriculum. The first two years of a four-year curriculum are dedicated to a thorough knowledge of basic sciences. An innovative course was designed to teach concepts central to a comprehensive understanding of patients, interviewing skills, and an understanding of the role and functions of the physician with patients. Two additional programs of interest in the first year are the Preceptorship Program, which acquaints the students with clinical medicine, and the Freshman Elective Program, which gives students exposure to a wide range of experiences in clinically related topics supplemental to the required curriculum in the spring quarter. The second year centers on the processes of disease, with emphasis on organ-system oriented instruction, and history-taking skills. The third and fourth years, covering 94 weeks, have a core curriculum of clinical clerkships encompassing the areas of internal medicine, surgery, obstetrics and gynecology, pediatrics, psychiatry, family practice, radiology, neurology, dermatology, and ophthalmology. Electives in the clinical continuum are designed to give students a solid foundation on which to develop and fulfill their personal interest, broaden their clinical knowledge, and give them an educational advantage in securing the clinical training calculated to best prepare them for postgraduate medical training.

A Medical Scientist Training Program, leading to both M.D. and Ph.D. degrees, is available for a limited number of students who desire careers in medical research. This program requires six to seven years to complete and provides rigorous research training in addition to the medical curriculum. Stipends are available for some of the students in this program.

Drew/UCLA Joint Medical Program. Approximately 24 of the 144 students admitted each year have applied for and have been admitted to the Drew/UCLA Joint Medical Program. This program is designed to attract students who have an interest in addressing the concerns of underserved populations. Those accepted will spend their first two years at the UCLA campus and their second two years at the Drew campus. For information and catalog, applicants who are interested in this program should contact: Charles R. Drew Postgraduate Medical School, 1621 East 120th Street, Los Angeles, California 90059.

Requirements for Entrance. The MCAT and three years of college are required. Ordinarily the requirement for admission to the first-year class is a baccalaureate degree, but in exceptional instances those who have completed three full academic years at an approved college or university will be considered. The required courses are:

English: One year of college English to include the study of English composition.

Physics: One year of college physics (with lab).

Chemistry: Two years of college chemistry to include the study of inorganic chemistry, quantitative analysis, and organic chemistry. A course in physical chemistry is recommended.

Biology: Two years of college biology to include the study of cellular, molecular, developmental, and genetic biology. One year of upper division courses should be included.

Mathematics: One year of college mathematics to include the study of algebra. In addition, the study of introductory calculus is highly recommended.

The study of Spanish is highly recommended.

Taking courses, such as human anatomy, that overlap in subject matter with those in medical school is not advised. However, advanced or specialized courses in biological science, such as cellular biology, are desirable.

Selection Factors. The Admissions Committee gives preference to those applicants who present evidence of broad training and high achievement in their college education and possess in the greatest degree those traits of personality and character essential to success in medicine. Applicants whose records are judged by the Admissions Committee to qualify them for further consideration will be scheduled to have a personal interview by members of the faculty. The applications are initially reviewed on the basis of letters of recommendation, personal comments, the GPA, and MCAT scores.

In the 1981 entering class, accepted students had the following profile: *mean science GPA*, 3.65; *mean nonscience GPA*, 3.63. Applicants to the 1981 class had the following profile: *mean overall science GPA*, 3.29; *mean nonscience GPA*, 3.45.

Selections are made on the basis of individual qualifications and not on the basis of race, sex, creed, age, national origin, or handicap.

Candidates are urged to take the MCAT in the spring rather than in the fall.

A third application is discouraged.

Financial Aid. Scholarships and loan funds from private, state, and federal sources are available to all U.S. citizens and are awarded on the basis of need and/or scholarship. Outside employment is not prohibited but is discouraged, especially in the first year.

Disadvantaged Applicants. The UCLA School of Medicine Admissions Committee is composed of subcommittees, one of which is devoted exclusively to the consideration of applicants who have had a disadvantaged educational or cultural background. This admissions subcommittee, which is composed of faculty and medical students, makes all recommendations for action to be taken on disadvantaged applicants, although final decisions are made by the full Admissions Committee.

Timetable of Application and Acceptance for 1983-84 First-Year Class

School participates in AMCAS. See Chapter 4.

Filing of AMCAS application
  Earliest date: June 15, 1982
  Latest date: Nov. 1, 1982
School application fee after screening: $20 if interviewed
Acceptance notice to regular applicants
  Earliest date: Feb. 15, 1983
  Latest date: Sept. 1983
Does not have Early Decision Plan
Applicant's response to acceptance offer
  Maximum time: 2 weeks
Deposit to hold place in class (applied to tuition): $100, due with response
Deposit refundable prior to: June 15, 1983
Estimated number of new entrants: 144
Starting date: Sept. 19, 1983

Expenses per Year for 1981-82 First-Year Class

Tuition and fees
  Resident: $1,171
  Nonresident: $3,951
Student must provide microscope
Total average figure for all other expenses: $7,000

Information on 1981-82 First-Year Class

Number of	*In-State*	*Out-of-State*	*Total*
Applicants*	2,723	1,362	4,085
New Entrants †	125	19	144

*20% were interviewed.

†100% were interviewed, took the MCAT, and had baccalaureate degrees.

University of California, San Diego School of Medicine

Dr. Robert G. Petersdorf, Dean
Dr. Charles E. Spooner, Associate Dean for Admissions

Address inquiries to:
Office of Admissions, M-021
Medical Teaching Facility
University of California, San Diego
School of Medicine
La Jolla, California 92093
(714) 452-3880

General Information. The simultaneous development of the School of Medicine and the general campus at the University of California, San Diego (UCSD), has fostered implementation of innovative programs enabling medical students to benefit from the diversity of university faculty, from a wide variety of laboratory teaching facilities, and from a broad spectrum of clinical opportunities. Located on the main campus of the university at La Jolla, the School of Medicine is surrounded by learning resources and research institutions representing all disciplines. Unusual opportunities exist for integrating instruction in medical and related sciences with the natural sciences and disciplines centering on man in his social milieu. Clinical instruction is carried on at University of California Medical Center, Veterans Administration Hospital, Naval Regional Medical Center, and eight other affiliated hospitals and clinics.

Curriculum. The goal of the medical curriculum and faculty-student interactions is to develop critical, objective, conscientious physicians prepared for changing conditions of medical practice and continuing self-education.

The curriculum is divided into two major components: the core curriculum and the elective programs. These are pursued concurrently, with the core curriculum predominating in the early years. The core curriculum includes those aspects of medical education deemed essential for every medical student regardless of background or ultimate career direction. The integrated core curriculum of the first two years is designed to provide each entering student with an essential understanding of the fundamental disciplines underlying modern medicine. The core curriculum of the last two years is composed of the major clinical specialties taught in hospital settings, outpatient situations, and relevant extended-care facilities. At faculty option, students with advanced training in a preclinical core area may take advanced work in this or another area or begin independent study. A Medical Scientist Training Program has been designed to provide the opportunity to earn both the M.D. and Ph.D. degree over a six- to seven-year period of study for a limited number of students.

Each student is required to plan and complete an Independent Study Project in consultation with a member of the faculty. A written document is required in all projects. Other components are devised by the student and faculty member.

Requirements for Entrance. The MCAT is required and should be taken in the spring, but no later than the fall, before the year of anticipated matriculation. A minimum of three years of college is necessary; the baccalaureate degree is preferred. The academic preparation for admission should be subject-oriented. If two or more undergraduate courses are offered, prospective applicants should select the most rigorous option. Minimal requirements are:

Biology: Preparation should include one year of college level biology (excluding botany).
Chemistry: Two years of college level chemistry should include organic chemistry.
Physics: The requirement is satisfied by one year at the college level.
Mathematics: One year of course work. May include calculus, statistics, or computer science.
English: Every student must demonstrate competence in speaking and writing English.

A broad base of knowledge is advantageous in preparing for the many roles of a physician and may include courses in: behavioral sciences, the biology of cells and development, genetics, biochemistry, English, social sciences, or conversational Spanish.

The Admissions Committee will only consider applicants who have taken the MCAT and completed the academic prerequisites.

Selection Factors. The Admissions Committee selects applicants who have demonstrated intelligence, maturity, integrity, and dedication to the ideal of service to society and who are best suited for meeting the educational goals of the school and for the successful practice of medicine. The school desires students with diverse interests and backgrounds. The Admissions Committee has no preference as to undergraduate major but does prefer students with evidence of broad training and in-depth achievement in a particular area of knowledge, whether in the humanities, social sciences, or natural sciences.

All applicants are evaluated without regard to sex, race, religion, national origin, age, or handicap. Preference is necessarily afforded to California residents when all other factors are equal. Candidates are evaluated on the nature and depth of scholarly and extracurricular activities undertaken, their academic record, performance on the MCAT, letters of recommendation, and personal interviews. The UCSD School of Medicine participates in the WICHE Professional Student Exchange Program.

Accepted students for the 1981 entering class had the following credentials: *mean GPA*, 3.6; *sex*, 25 percent women; *residence*, 95 percent from California; *undergraduate major*, 52 percent in biology or chemistry, with the remainder in the physical sciences, humanities, and social sciences; *overall formal application and acceptance rates*, 48 percent of those students interviewed received acceptances, and 288 acceptances were offered to obtain a class of 128 students.

Financial Aid. Financial aid in the form of scholarships, grants, loans, and work opportunities is offered to help students in need of financial assistance. Approximately three-quarters of the students receive financial assistance during their four years of study. Medical Scientist Training Program participants may receive full tuition and a stipend for up to six years. An application form for financial aid is sent to every accepted student upon request.

Information for Minorities. The UCSD School of Medicine is committed to the national effort to expend the educational opportunities and to increase the representation of minorities in the health professions. This institutional commitment is expressed through active Minority Recruitment Office activities; a waiver of application fee upon written request; a prematriculation summer program; tutorial support programs; and ample financial aid assistance, offered within program limits. All students with a demonstrated need are eligible.

Timetable of Application and Acceptance for 1983-84 First-Year Class

School participates in AMCAS. See Chapter 4.

Filing of AMCAS application
  Earliest date: June 15, 1982
  Latest date: Nov. 1, 1982
School application fee after screening: $25
Acceptance notice to regular applicants
  Earliest date: varies
  Latest date: varies

Does not have Early Decision Plan
Applicant's response to acceptance offer
  Maximum time: 2 weeks
Deposit to hold place in class: none
Estimated number of new entrants: 128
Starting date: Sept. 14, 1983

Expenses per Year for 1981-82 First-Year Class

Tuition
  Resident: $1,050.50
  Nonresident: $3,895.50
Student fees: $20

Microscope rental available from school: $60
Total average figure for all other expenses: $6,775

Information on 1981-82 First-Year Class

Number of	*In-State*	*Out-of-State*	*Total*
Applicants*	2,683	1,251	3,934
New Entrants †	121	7	128

*15% were interviewed

†100% were interviewed and took the MCAT; 94% had baccalaureate degrees.

University of California, San Francisco School of Medicine

Dr. Julius R. Krevans, Dean
Dr. Albert L. Jones, Associate Dean for Admissions

Address inquiries to:
Admissions Officer
University of California, San Francisco
School of Medicine (S-215)
San Francisco, California 94143
(415) 666-4044

General Information. The University of California, San Francisco (UCSF), School of Medicine, established as the Toland Medical College in 1864, became affiliated with the University of California in 1873. Clinical instruction is carried out at University of California Hospitals, San Francisco General Hospital, Veterans Administration Hospital, and 33 other hospitals.

Curriculum. During the first two years, core instruction in the basic sciences is offered by the preclinical departments. Early clinical correlation is introduced both in the basic science courses and in clinical courses, which provide patient contact beginning with the first term of medical school. A limited number of students may begin first-year course work during the summer session. In the last two years the various clinical departments provide 50 weeks of core clerkships, which teach students the basic techniques of clinical medicine. An additional 36 weeks of clinical and basic science courses must be elected from a wide range of offerings at UCSF Medical Center and other hospitals.

The grading system is pass/not pass. Honors recognition is assigned on an individual basis.

Special programs are available for students who wish to earn the M.D. degree jointly with the M.P.H. or Ph.D. degree. In addition, through the Medical Scientist Training Program, approximately six students in each class may obtain the M.D. and Ph.D. degrees in six years of study.

The Joint Medical Program, sponsored by the University of California at Berkeley and San Francisco, is a five-year experimental graduate and professional program leading to M.S. and M.D. degrees. The goal of the graduate segment (three years at Berkeley) is to develop students' abilities to approach problems of health and disease that require training in other disciplines, such as law or economics. Basic science and introductory clinical courses are enriched by individually structured master's degree programs in selected health problem areas. Upon the student's completion of the Berkeley phase of the program, including a master's thesis, an M.S. degree in health and medical sciences is awarded. Students then transfer to UCSF for the remainder of their training for the M.D. degree. The size of each class is limited to 12 students. Details are available from: Graduate Office, Health and Medical Sciences Program, Room 106, Building T-7, University of California, Berkeley, California 94720.

Requirements for Entrance. The MCAT and a minimum of three years of college are required. A baccalaureate degree is strongly recommended but not required. The MCAT must be taken within two years of the date of anticipated matriculation and, at the latest, by fall of the preceding year. However, applicants are strongly urged to take the test the preceding spring rather than the fall.

Applicants must complete 135 quarter units (90 semester units) of acceptable transfer college credit by June of the year of desired entry. These courses must be completed at an accredited institution; moreover, only 105 acceptable quarter units may be transferred from a junior college. Courses must include:

	Years
Biology (with lab)	1
Must include vertebrate zoology.	
General chemistry (with lab)	1
Organic chemistry	(2 qtrs.)
Physics (with lab)	1

Mathematics (one year of calculus), upper division biological science, and humanities courses are recommended.

Survey courses in the sciences are not acceptable as fulfilling part or all of the requirements in science.

It is to the applicant's advantage to complete the above prerequisites before taking the MCAT and filing an application.

Selection Factors. The School of Medicine welcomes applicants from all ethnic, economic, and cultural backgrounds without discrimination regarding religious or political beliefs, race, or sex.

Selection is based on an appraisal of both intellectual and personal characteristics which the Admissions Committee regards as desirable for prospective medical students and physicians. An initial screening, based on all of the information provided in the AMCAS application (including extracurricular activities, statement, and academic record), occurs shortly after its receipt. Approximately 70 percent of applicants are advised against completing their applications since they appear not to be competitive with those considered favorably by the school. Applicants granted further consideration are requested to provide letters of recommendation, which also play a significant role in the selection process. Completed files are evaluated, and a limited number of applicants (600) are selected for interview. Personal interviews are required of applicants who pass the second screening. Regional interviews are not available.

Successful applicants tend to have strong academic records; firm and clear motivation for medicine which is manifested in their work experience, activities, or interests; and outstanding personal qualities. Academic performance is evaluated in relation to background, with the aim of determining the influence of external factors on this parameter. Since preference is given to state residents, only nonresidents with superior qualifications are encouraged to apply. Foreigners who are not permanent residents of the United States should not apply unless they have superior qualifications and adequate funding for their medical education and living expenses.

Some statistics of the 1981 entering class were: *mean cummulative GPA*, 3.63; *mean science GPA*, 3.62; *mean MCAT scores*, *B*-11, *C*-11, *P*-11, *SP*-11, *SA:R*-10, *SA:Q*-10; *sex*, 42 percent women; *non-white ethnic groups*, 35 percent.

Financial Aid. A limited number of scholarships are awarded to entering students on the basis of scholarship and/or need. General financial support is awarded through the Financial Aid Office. Aid packages consist of a combination of loans, grants-in-aid, and scholarships.

Information for Minorities. The School of Medicine is committed to increasing the number of physicians who are members of minority groups which are underrepresented in the medical profession. In addition, the medical school encourages applications from socioeconomically disadvantaged persons, regardless of race, and from women. Individuals who consider themselves socioeconomically disadvantaged are encouraged to apply to the campus-wide Health Sciences Special Services Program in order to be considered for additional grants-in-aid and services.

Timetable of Application and Acceptance for 1983-84 First-Year Class

School participates in AMCAS. See Chapter 4.

Filing of AMCAS application
  Earliest date: June 15, 1982
  Latest date: Nov. 1, 1982
School application fee after screening: $25
Acceptance notice to regular applicants
  Earliest date: Dec. 15, 1982
  Latest date: April 15, 1983, and thereafter as spaces are available

Does not have Early Decision Plan
Applicant's response to acceptance offer
  Maximum time: 2 weeks
Deposit to hold place in class: none
Estimated number of new entrants: 146
Starting date: Sept. 23, 1983 (fall quarter); July 29, 1983 (students electing summer enrollment)

Expenses per Year for 1981-82 First-Year Class

Tuition
  Resident: $828
  Nonresident: $3,708
Student fees: $106.50

Microscope rental available from school: $25
Total average figure for all other expenses: $6,348

Information on 1981-82 First-Year Class

Number of	*In-State*	*Out-of-State*	*Total*
Applicants*	2,631	2,033	4,664
New Entrants †	120	26	146‡

*17% were interviewed.
†100% were interviewed and took the MCAT; 99% had baccalaureate degrees.
‡Excludes 12 students in the Joint Medical Program at Berkeley.

Loma Linda University School of Medicine

Dr. G. Gordon Hadley, Dean
Dr. Rene Evard, Associate Dean for Admissions
Michael K. Huitt, Financial Aid Director

Address inquiries to:
Associate Dean for Admissions
Loma Linda University
School of Medicine
Loma Linda, California 92350
(714) 824-4468

General Information. The School of Medicine was organized in 1909 at Loma Linda. The campus includes basic science facilities and the Loma Linda University Medical Center. Also used for clinical instruction is the recently completed Jerry L. Pettis Memorial Veterans Hospital, Riverside General Hospital, and the White Memorial Medical Center in Los Angeles. San Bernardino County General Hospital, Kaiser Foundation Hospital, and Glendale Adventist Medical Center are also affiliated with the School of Medicine and are utilized for undergraduate and postgraduate clinical training.

Objectives of the School of Medicine include providing the student with a solid foundation of medical knowledge, assisting him in the attainment of professional skills, and motivating investigative curiosity and a desire to participate in the advancement of knowledge. The school endeavors to reinforce interest in the practical application of Christian principles through service to mankind.

Curriculum. The major objective of the School of Medicine is to prepare students who will be well-grounded in the sciences and art of medicine and also will be prepared after further training for the practice of general medicine or any specialty.

The first two years are primarily devoted to the study of the basic medical sciences, together with orientation to clinical applications and introduction to physical diagnosis and human behavior. The last two years provide clinical training in the major areas of medical practice: surgery, internal medicine, pediatrics, obstetrics-gynecology, and psychiatry. Elective time is available for various types of additional educational experience in the clinical or research areas.

Qualified students may earn an M.S. or Ph.D. degree along with the M.D. degree.

Performance of students is evaluated by means of standard or scaled scores. The grading system is on a pass/fail basis.

Requirements for Entrance. The MCAT and a minimum of three academic years in college are required. Applicants must have completed the requirements at an accredited undergraduate institution. Rejected applicants may reapply and usually will receive the same consideration as first-time applicants. Preference is given to applicants who have completed the baccalaureate degree. Suitable major areas include the biological and physical sciences, humanities, social sciences, and behavioral sciences.

Required courses are:

	Years
General biology or zoology	1
General or inorganic chemistry	1
Organic chemistry	1
Physics	1
English Equivalent to satisfy baccalaureate degree requirements.	

A course in introductory calculus is recommended.

Advanced courses in biology and chemistry, such as histology, developmental biology, and biochemistry, are desirable.

CLEP and pass/fail performances are not acceptable for the required courses.

Applicants are urged to take the MCAT in the spring of the year of application and to have the basic requirements completed at the time of application.

Selection Factors. The Admissions Committee seeks candidates who have demonstrated the greatest potential for becoming capable physicians. A strong academic background is needed in preparation for medical studies. While special attention is given to the performance in science courses, candidates should also have a solid foundation in the humanities, social sciences, and human behavior.

The Admissions Committee looks for applicants who demonstrate problem-solving skills, critical judgment, and ability to pursue independent study and thinking. In evaluating academic achievements, the Admissions Committee considers such factors as the difficulty of the program, the need to work, social and cultural hardship, and participation in meaningful extracurricular activities. For nonacademic qualifications, the committee looks for a commitment to medicine, judgment, a positive attitude, ability to make decisions, emotional stability, and integrity.

The School of Medicine is owned and operated by the Seventh-Day Adventist church; therefore, preference for admission is given to members of this church. However, it is a firm policy of the Admissions Committee to admit each year a number of non-church related applicants who have demonstrated a strong commitment to Christian principles. No candidate is accepted on the basis of any religious affiliation alone. This school does not discriminate on the basis of race, sex, age, or handicap.

The AMCAS application is used for preliminary screening. After a review of this application, the candidate may be asked to submit additional information along with a supplementary form, preprofessional faculty evaluations, and personal letters of recommendation. Invitations for an interview are extended to selected applicants. Interviews are carried out both on the medical school campus and on a regional basis at selected locations throughout the country.

Final selection is made by the Admissions Committee on the basis of overall scholastic record, personal character qualifications, and promise of success as a physician.

Matriculated students for the class of 1981 had a mean overall GPA of 3.6.

Financial Aid. The School of Medicine has limited loan funds available through the Student Finance Office. All aid is awarded on the basis of a uniform need analysis. Financial aid information is provided to all accepted students. In view of the costs of a medical education, students are urged to plan their financial program carefully.

Timetable of Application and Acceptance for 1983-84 First-Year Class

School participates in AMCAS. See Chapter 4.

Filing of AMCAS application
  Earliest date: June 15, 1982
  Latest date: Nov. 15, 1982
School application fee after screening: $35
Acceptance notice to regular applicants
  Earliest date: Dec. 15, 1982
  Latest date: July 15, 1983
Does not have Early Decision Plan
Applicant's response to acceptance offer
  Maximum time: 30 days
Deposit to hold place in class (applied to tuition): $100, due within 30 days of offer
Deposit refundable prior to: June 15, 1983
Estimated number of new entrants: 140
Starting date: Aug. 1, 1983

Expenses per Year for 1981-82 First-Year Class

Tuition: $10,000
Student fees: $200
Microscope rental available from school: $65
Total average figure for all other expenses: $4,500

Information on 1981-82 First-Year Class

Number of	*In-State*	*Out-of-State*	*Total*
Applicants*	‡	‡	2,486
New Entrants †	72	68	140

*20% were interviewed.
†100% were interviewed and took the MCAT; 96% had baccalaureate degrees.
‡Data not available.

University of Southern California
School of Medicine

Dr. Allen W. Mathies, Jr., Dean
Dr. William E. Nerlich, Associate Dean for Admissions
Linda Lewis, Financial Aid Officer

Address inquiries to:
Office of Admissions
University of Southern California
School of Medicine
2025 Zonal Avenue
Los Angeles, California 90033
(213) 224-7021

General Information. The University of Southern California (USC), a privately supported, nondenominational, coeducational university, established its School of Medicine in 1885. The 12-acre campus is located directly across the street from its chief teaching hospital, the 2,105-bed Los Angeles County-USC Medical Center. In addition to the Medical Center (largest teaching center in the United States), clinical facilities include Children's Hospital of Los Angeles, Rancho Los Amigos Hospital, Orthopedic Hospital, Hospital of the Good Samaritan, St. John's Hospital, California Hospital, Huntington Memorial Hospital, Presbyterian Intercommunity Hospital, and Santa Ana-Tustin Community Hospital.

Curriculum. Students are progressively involved in patient care beginning with patient contact during the first semester of the first year. An important feature is Introduction to Clinical Medicine, a course which begins in the freshman year and runs through the sophomore year. Physical diagnosis, history-taking, and doctor-patient relationships are discussed in groups of approximately six or seven students, led by a faculty member who serves as clinical tutor to these students for their first two years.

Basic sciences are taught largely in an organ system approach. Appropriate material in the basic sciences is presented during the study of these systems; patients are observed and examined for clinical illustration of the subject under discussion. In this way the student is better able to understand and retain the basic scientific principles of medicine.

In the second year the student may begin an investigative project, sponsored by a department of the school. Elective study is provided in the third and fourth years. The senior year consists almost entirely of work in the student's chosen field.

In addition, students have an opportunity to engage in clinical or basic research through voluntary participation in a summer fellowship program between the freshman and sophomore years.

The school sponsors an M.D.-Ph.D. program for those interested in obtaining these degrees jointly.

Grading is on a satisfactory, unsatisfactory, honors basis.

Requirements for Entrance. The MCAT and a minimum of three years of college are required; the baccalaureate degree is highly desirable. Each applicant must have at least 90 semester hours of accredited college work and the following subjects:

	Sem./Qtr.
Biology (with lab)	2/3
Inorganic chemistry (with lab)	2/3
Organic chemistry (with lab)	2/3
General physics (with lab)	2/3
English	
Humanities (unspecified)	

A biochemistry course is highly recommended.

Sound preparation in the basic sciences is essential, but a broad background in the humanities and wide exposure to people and their problems are equally necessary.

Applicants are strongly urged to take the MCAT in the spring of the year of application and to have their basic science requirements completed at the time of application. Required course work in process or fall MCAT scores delay the processing of an application, thereby reducing the applicant's chances of gaining admission.

Selection Factors. The Committee on Admissions seriously considers all candidates whose undergraduate work and scores on the MCAT indicate that they will be able to handle the rigorous curriculum of medical school. Acceptance, however, is contingent upon far more than scholastic achievement. Each applicant must be considered from the standpoint of his potential as a physician. This assessment is not influenced by race, creed, sex, nationality, residence, age, or handicap.

The application process consists of two stages: the preliminary AMCAS application and the final application, sent when requested by the committee. The final application requires a $45 fee and recommendations. Those candidates who are sent a final application are required to attend two personal interviews in Los Angeles.

Some statistics of the 1981 entering class were: *mean science GPA*, 3.58; *mean overall GPA*, 3.59; *mean MCAT scores*, *B*-10, *C*-11, *P*-11, *SP*-11, *SA:R*-9, *SA:Q*-9; *sex*, 28 percent women.

Financial Aid. Loan funds through health professions scholarships and loan programs and the federally insured loan program are available concurrently as well as loans through the American Medical Association, United Student Aid Funds, Inc., and the school. Partial and some full scholarships are available to students at all levels and are awarded on the basis of financial need as demonstrated through a financial statement. Students are discouraged from accepting employment during the academic periods. The Los Angeles County-USC Medical Center and the surrounding community offer many employment opportunities for students' spouses.

Information for Minorities. The primary objective of the Office of Minority Affairs is to provide supportive services to USC medical students. Supportive services include organized tutorial assistance, group counseling and discussions, individual counseling, community support, and interdepartmental communications. It also includes the creation of a warm environment where minority students feel a sense of belonging. In addition, the office is involved with the active recruitment of qualified minority applicants for the health professions.

Timetable of Application and Acceptance for 1983-84 First-Year Class

School participates in AMCAS. See Chapter 4.

Filing of AMCAS application
  Earliest date: June 15, 1982
  Latest date: Nov. 1, 1982
School application fee after screening: $45
Acceptance notice to regular applicants
  Earliest date: Oct. 15, 1982
  Latest date: when class is filled
Does not have Early Decision Plan
Applicant's response to acceptance offer
  Maximum time: 2 weeks
Deposit to hold place in class (applied to tuition): $100, due with response
Deposit refundable prior to: June 15, 1983
Estimated number of new entrants: 136
Starting date: Sept. 6, 1983

Expenses per Year for 1981-82 First-Year Class

Tuition: $9,350
Student fees: $128
Student must provide microscope
Total average figure for all other expenses: $7,224

Information on 1981-82 First-Year Class

Number of	*In-State*	*Out-of-State*	*Total*
Applicants*	2,525	1,367	3,892
New Entrants †	116	20	136

*22% were interviewed.

†100% were interviewed, took the MCAT, and had baccalaureate degrees.

Stanford University
School of Medicine

Dr. Dominick P. Purpura, Dean
Dr. Roy H. Maffly, Director of Admissions
Cheryl LoMaglio, Administrative Assistant to the Committee on Admissions

Address inquiries to:
Office of Admissions, Room 154
Stanford University
School of Medicine
851 Welch Road
Palo Alto, California 94304-1677
(415) 497-6861

General Information. The Stanford University School of Medicine is an integral part of Stanford University and was established in 1908. Until 1959 the school was located in San Francisco. Since September 1959 the school and hospital have occupied new buildings on the university campus in Palo Alto.

Curriculum. Stanford offers a flexible curriculum with a two-fold purpose: to develop in all students the capacity for leadership in the clinical practice of scientific medicine and to provide opportunities for as many students as possible to prepare themselves for careers in research and teaching in the various branches of basic, clinical, and social medicine. Students develop study plans that take into consideration their academic background, particular strengths, and career objectives.

Stanford does not have specific requirements with regard to preclinical courses for graduation but does require all students to have formal clinical experience in medicine, surgery, pediatrics, gynecology-obstetrics, and psychiatry. The minimal requirement is satisfactory completion of 204 units of work in courses acceptable for the M.D. degree. It should be stressed that the time students will spend in medical school is a function of their background and their degree of involvement in research and outside course work. The curriculum plan now in effect at Stanford has been formulated on an elective basis to ensure that students have maximal opportunity to engage in the academic activities of the medical school as well as the university. Courses are graded on a pass/fail basis.

There is a wide diversity of opportunity for students at Stanford who wish to study subject areas in the preclinical and clinical disciplines in depth. Students with strong interests in careers in medical research are urged to investigate opportunities available under the auspices of the Medical Scientist Training Program (MSTP). This program provides an opportunity for a limited number of students each year to pursue an individualized program of research and course work leading to both the M.D. and Ph.D. degrees. The estimated time for completion of the program is six years. Students interested in participating in the MSTP will be asked to provide supplemental information relevant to their research background and will be considered for entry into the MSTP at the time of their application to the Stanford University School of Medicine. Application information for the MSTP is included in the supplementary application materials sent to each medical school applicant. The deadline for submission of MSTP applications is December 15. Further information is available from: MSTP Office, TB 147, Stanford University Medical Center, Stanford, California 94305.

Requirements for Entrance. The MCAT is required, preferably taken in the spring, but no later than the fall prior to the year of anticipated matriculation. A minimum of three years of college is necessary; the baccalaureate degree is preferred. Stanford University requires that all recipients of advanced degrees have a baccalaureate degree. Students who matriculate without a bachelor's degree should know the requirements of the Stanford General Studies Program, since part of their course work will include work toward the baccalaureate degree. The minimal entry requirements are:

	Years
Biological science (with lab)	1
Chemistry (with lab) Must include organic chemistry.	2
Physics (with lab)	1

Knowledge of a modern foreign language, mathematics through calculus, and course work in physical chemistry and behavioral sciences are recommended.

An undergraduate major in any subject is acceptable; however, exposure to courses in both the humanities and social sciences is strongly recommended.

Selection Factors. Applicants are not discriminated against on the basis of race, religion, national origin, sex, marital status, age, or handicap. No preference is given to California residents. Foreign students must complete a minimum of one year of study in a U.S., Canadian, or United Kingdom accredited college or university. The application fee may be waived if need is shown. Stanford provides an educational environment that encourages intellectual diversity and offers stimulation and opportunity for self-motivated students who are interested in developing a scholarly, investigative approach to problems in medicine. Accordingly, Stanford attempts to select students who demonstrate the motivational and personal characteristics best suited to profit from this environment.

Applications selected for serious consideration will be reviewed with special attention given to those aspects of a student's background that may have adversely affected the student's progress or accomplishments. Such aspects may include whether an applicant was raised in a rural or ghetto area, whether English was a secondary language, or whether work for self-support was necessary. Rejected applicants are not discouraged from reapplying.

In recent years, applicants granted admission have had a mean GPA of about 3.6 and mean MCAT scores of about 9 to 11 in each subtest. Deferred matriculation for one year is usually granted on request after an applicant has been accepted.

Financial Aid. Applicants are selected without consideration of their ability to meet the expenses of attending the school. M.D. candidates needing financial aid will be awarded loan and scholarship assistance solely on the basis of need. Approximately 75 to 80 percent of the student body obtains financial aid. However, it has become increasingly difficult to meet all requests for financial aid. In each case the decision to grant or deny financial aid will be based on a careful review of each application, the amount of funds available at the time of the request, and GAPSFAS calculation (see Chapter 6) of the expected parental contribution. Students interested in part-time research projects may obtain salary and tuition grants which will reduce the size of their loan; however, such employment is not encouraged solely as a means of defraying expenses. Applications for financial aid are only considered after an applicant has been accepted.

Information for Minorities and Women. Recognizing that minorities and women are underrepresented in the medical profession, and especially in academic medicine, Stanford has a strong commitment to identify, recruit, and educate such students. In the 1981 entering class, 26 percent of the students were minority students, and 38 percent of the students were women. There are no features of the curriculum singular to minority students.

Timetable of Application and Acceptance for 1983-84 First-Year Class

School participates in AMCAS. See Chapter 4.

Filing of AMCAS application
  Earliest date: June 15, 1982
  Latest date: Nov. 1, 1982
School application fee to all applicants: $60
Acceptance notice to regular applicants
  Earliest date: Nov. 15, 1982
  Latest date: March 15, 1983

Does not have Early Decision Plan
Applicant's response to acceptance offer
  Maximum time: 3 weeks
Deposit to hold place in class: none
Estimated number of new entrants: 86
Starting date: Sept. 28, 1983

Expenses per Year for 1981-82 First-Year Class

Tuition: $8,340 (3 quarters)
School provides microscope without charge

Total average figure for all other expenses: $4,680 (3 quarters)

Information on 1981-82 First-Year Class

Number of	*In-State*	*Out-of-State*	*Total*
Applicants*	‡	‡	5,711
New Entrants †	‡	‡	86

*12% were interviewed.
†100% were interviewed, took the MCAT, and had baccalaureate degrees.
‡Data not available.

University of Colorado School of Medicine

Dr. M. Roy Schwarz, Dean
Dr. Henry K. Silver, Associate Dean for Admissions
Dr. David P. Sorenson, Director of Admissions
and Student Services

Address inquiries to:
Office of Admissions and Records
Box A054
University of Colorado
School of Medicine
4200 East Ninth Avenue
Denver, Colorado 80262
(303) 394-7676

General Information. The University of Colorado School of Medicine is a multifacility aggregate with all modern resources for the assessment and comprehensive health care of individuals of all ages. Multidiscipline student laboratories provide opportunity for more effective teaching and correlation of the basic medical sciences. There are no student dormitories, but the school is located in a residential area. The medical center maintains an active Student Health Center.

The faculty of the medical school includes 565 full-time and 2,100 volunteer members.

Curriculum. The curriculum is under constant study and is frequently revised to meet the changing needs in medical education. Students participate actively in this revision.

The grading system is an honor/pass/fail program.

Requirements for Entrance. The MCAT and 120 semester hours of college are required. The MCAT must be taken before the application deadline of November 1. A college program leading to a bachelor's degree and including a major, or field of concentration, is considered by the faculty and the Committee on Admissions to offer the best preparation for a student interested in medicine. The following courses are required:

	Sem. hrs.
General biology or zoology (with lab)	8
General chemistry (with lab)	8
Organic chemistry (with lab)	8
General physics (with lab)	8
Mathematics (college level)	6
Should include at least college level algebra and trigonometry or the equivalent by means of advanced placement.	
English literature (or satisfactory equivalent)	6
English composition or creative writing (or satisfactory equivalent)	3

Calculus is recommended as a valuable conceptual basis for understanding rates of change in physiological processes.

A quantitative mathematically oriented physics course is strongly recommended.

The literature and English composition requirements are based on the recognized need of the future physician to have skill in communication.

In order to receive credit for any advanced placement, the subject matter credited must be listed on an official college transcript.

Selection Factors. Places are offered to the applicants who appear to the Committee on Admissions to be the most highly qualified in terms of intellectual achievement, character, motivation, maturity, and emotional stability. For this assessment, college grades, MCAT scores, recommendations from college instructors and others, and required personal interviews are used. No one will be accepted without a personal interview.

Of the approximately 125 places in each class, almost all will be awarded to Colorado residents. Thereafter, preference will be given to a very small number of certified applicants from certain western states participating in the WICHE program and a very small number of minority applicants from adjacent states.

Nonregional, nonminority applicants should not apply unless they have very high GPAs and MCAT scores in addition to some very strong and compelling reasons why they should be in Colorado. This cogent reason should be sent under separate cover to the Office of Admissions and Records at the time of application.

The acceptance rate is comparable for men and women applicants. A wide variety of undergraduate majors are considered acceptable in selection of applicants. Demonstration of good performance in the prerequisite sciences is needed.

The early decision program is limited mainly to residents of Colorado and occasional certified residents of certain western states participating in the WICHE program.

Financial Aid. The medical school participates in the federal aid programs and also has available a number of other scholarship and loan funds which are distributed on the basis of financial need. Colorado student grant funds are available for Colorado residents. Recent federal funding policies have significantly decreased the school's ability to assist needy students.

Information for Minorities. All minority applicants must apply through AMCAS. The University of Colorado encourages applications from qualified minority group students, and preference is given mainly to Colorado residents, WICHE state residents, and others from adjacent states, in that order. Acceptance is determined by the Committee on Admissions and is based on the same type of criteria that apply to nonminority applicants. The committee carefully considers the student's social, economic, and educational background. It is possible for some disadvantaged students to have application fees and interview costs defrayed.

Timetable of Application and Acceptance for 1983-84 First-Year Class

School participates in AMCAS. See Chapter 4.

Filing of AMCAS application
  Earliest date: June 15, 1982
  Latest date: Nov. 1, 1982
School application fee to all applicants: $20
Acceptance notice to regular applicants
  Earliest date: Oct. 15, 1982
  Latest date: March 15, 1983
Does have Early Decision Plan (EDP)
  For Colorado residents and WICHE applicants only
  EDP application period: June 15-Aug. 1, 1982
  Applicants notified by: Oct. 1, 1982
Applicant's response to acceptance offer
  Maximum time: 2 weeks
Deposit to hold place in class (applied to tuition): $50, due with response
Deposit refundable prior to: June 15, 1983
Estimated number of new entrants: 125
Starting date: Sept. 1, 1983

Expenses per Year for 1981-82 First-Year Class

Tuition
  Resident: $5,956
  Nonresident: $26,206
Student fees: $367
Microscope rental available from school: $50
Total average figure for all other expenses: $4,900

Information on 1981-82 First-Year Class

Number of	*In-State*	*Out-of-State*	*Total*
Applicants*	515	600	1,115
New Entrants †	118	0	118

*80% of applicants completing a secondary application were interviewed.

†100% were interviewed and took the MCAT; 99% had baccalaureate degrees.

University of Connecticut School of Medicine

Dr. Robert U. Massey, Dean
Dr. Steven J. Bongard, Associate Dean for Student Affairs
Keat Sanford, Director of Admissions and Student Records

Address inquiries to:
Office of Admissions and Student Affairs
University of Connecticut
School of Medicine
University of Connecticut Health Center
Farmington Avenue
Farmington, Connecticut 06032
(203) 674-2152

General Information. Established in 1968 as a unit of the University of Connecticut, the School of Medicine occupies the University of Connecticut Health Center complex in Farmington. The Health Center includes under one roof the School of Medicine and School of Dental Medicine, the 200-bed University Hospital and Ambulatory Unit, and the 80,000-volume Stowe Library. Clinical training programs exist in eight affiliated hospitals in the greater Hartford area and 11 allied community hospitals.

Curriculum. The curriculum plan for medical students is based on a multidepartmental approach to the understanding of basic medical sciences. Faculty members from the basic science disciplines form subject committees for each of the major organ systems. There is student-faculty review of educational goals and methods, and each subject committee reviews course content at regular intervals. Introduction to Clinical Medicine, beginning in the first weeks, acquaints students with interpersonal, social, and economic problems of medical care. Throughout the basic science years, students observe patients and learn physical diagnosis and history-taking. In the third year students rotate through the five basic clerkships. They work as part of a team of house staff and students engaged in patient care. During the remaining months of the third year and throughout the fourth year, the students select a series of specialized clinical clerkships. To aid individual development, students are assigned significant amounts of free time during the first two years and a wide choice of elective subjects in the clinical years. The examinations of the National Board of Medical Examiners are required of all students. The grading system is strictly pass/fail; there are no class rank scales or class standing.

Requirements for Entrance. The MCAT and three years of college are required; four years of college and the baccalaureate degree are recommended. Prerequisite courses are:

	Years
General biology or zoology (with lab)	1
General chemistry (with lab)	1
Organic chemistry (with lab)	1
General physics (with lab)	1

The level of these required courses should be equal to courses for those majoring in these respective fields.

The School of Medicine supports the view that a broad liberal arts education provides the best background for those entering the medical profession. It will be difficult for students to master the programs in medicine unless they are adept in the use of the English language and in the handling of quantitative concepts. It is strongly recommended, therefore, that students include courses in their undergraduate curriculum that will provide them with a broad liberal arts background and aid them in the future development of their communicative and quantitative skills.

Selection Factors. The factors considered by the Admissions Committee are the applicant's achievements, ability, motivation, and character. The applicant's GPA and MCAT scores are considered along with difficulty of the academic program, evidence of academic achievement beyond the regular course work, and evidence of intellectual growth and development. Additional consideration is given for nonacademic activities and involvements and for letters of recommendation.

Application is made through AMCAS, and personal interviews are arranged only at the request of the Admissions Committee. Strong preference is given to Connecticut residents. The University of Connecticut does not discriminate on the basis of race, sex, creed, national origin, age, handicap, marital status, or financial status.

Some characteristics of the 1981 entering class include: *mean GPA*, 3.53; *mean*

MCAT scores, *B*-10.48, *C*-10.75, *P*-10.38, *SP*-10.34, *SA:R*-9.44, *SA:Q*-9.74.

Financial Aid. Financial aid is available in three forms: scholarships; long-term, low interest loans; and short-term, no-interest emergency loans. Eligibility for all programs is primarily based on demonstrated need. A limited number of part-time jobs are available.

Approximately 70 percent of the students receive financial aid during the four-year educational period. Financial aid is not considered relevant to the admissions process or an individual's qualifications. Each student's financial need is assessed after admission, and every effort is made to meet the student's minimum financial requirements. Further information is available from June Sigman.

Information for Educationally Disadvantaged Students. The school and its faculty have tried aggressively to provide educational opportunity to students from educationally disadvantaged groups who are underrepresented in American medicine. While there are no formal special educational programs for disadvantaged students, tutorial and counseling help is available to all students.

The financial aid package is constructed on the basis of individual need, and every effort is made to meet this need.

Application fees may be waived for disadvantaged students.

Timetable of Application and Acceptance for 1983-84 First-Year Class

School participates in AMCAS. See Chapter 4.

Filing of AMCAS application
  Earliest date: June 15, 1982
  Latest date: Dec. 1, 1982
School application fee to all applicants: $20
Acceptance notice to regular applicants
  Earliest date: Oct. 15, 1982
  Latest date: class starting date
Does have Early Decision Plan (EDP)
  EDP application period: June 15-Aug. 1, 1982
  Applicants notified by: Oct. 1, 1982
Applicant's response to acceptance offer
  Maximum time: 2 weeks
Deposit to hold place in class (applied to tuition): $100, due with response
Deposit refundable prior to: June 15, 1983
Estimated number of new entrants: 80
Starting date: Aug. 29, 1983

Expenses per Year for 1981-82 First-Year Class

Tuition
  Resident: $1,100
  Nonresident: $2,200
Student fees
  Resident: $2,200
  Nonresident: $2,600
Microscope rental available from school: $75
Total average figure for all other expenses: $6,790

Information on 1981-82 First-Year Class

Number of	*In-State*	*Out-of-State*	*Total*
Applicants*	472	1,137	1,609
New Entrants†	74	6	80

*53% of in-state and 8% of out-of-state applicants were interviewed.

†100% were interviewed and took the MCAT; 99% had baccalaureate degrees.

Yale University School of Medicine

Dr. Robert W. Berliner, Dean
Dr. Thomas L. Lentz, Assistant Dean for Admissions
Dr. Howard Levitin, Dean of Students

Address inquiries to:
Office of the Registrar
Yale University
School of Medicine
333 Cedar Street
New Haven, Connecticut 06510
(203) 432-4580

General Information. The Yale University School of Medicine was established by passage of a bill in the Connecticut General Assembly in 1810 granting a charter for the Medical Institution of Yale College. The Yale-New Haven Medical Center is composed of the School of Medicine, the School of Nursing, and the Yale-New Haven Hospital. The West Haven Veterans Hospital, the Connecticut Mental Health Center, the Yale Psychiatric Institute, the Hospital of St. Raphael, and Waterbury Hospital are also used for instruction. The Yale Medical Library has one of the best collections of current and historical medical literature in the world.

Curriculum. The Yale program of medical education is designed to afford the intelligent, motivated student an opportunity to study the basic medical sciences and clinical medicine at the graduate level.

The initial phase of the curriculum, during the first one and one-half years, is devoted to the study of the normal structure and function of the human body from the cellular level to the total organism. The basis of this program is the conviction that the best preparation for medical practice, research, or teaching is an educational experience oriented toward the analysis and solution of medical problems as well as the acquisition of factual detail. The program allows considerable freedom for individual curriculum planning according to the ability and interests of the student.

In the second phase of the curriculum the student is concerned with the care of patients and the study of prevention, diagnosis, and treatment of disease. This phase begins with an introduction to clinical medicine followed by a flexible program of required clerkships, an ambulatory care experience, electives, work on thesis, independent study, and vacation. During this period of time students will plan a program of electives designed to meet their individual goals and objectives for their career.

A dissertation based on original research in an area of the student's choosing is a requirement for the degree of doctor of medicine. Evaluation of achievement is dependent primarily on the intimate acquaintance of faculty members with each student and their appraisal of the student's progress.

Requirements for Entrance. It is recommended that students enter medical school after four years of study in a college of arts and sciences or institute of technology. Students holding advanced degrees in science or other fields are also considered. Foreign students must ordinarily have completed at least one year of study in an American college prior to application.

The MCAT and satisfactory completion of the following courses are required.

	Years
General biology or zoology (with lab)	1
General or inorganic chemistry (with lab)	1
Organic chemistry (with lab)	1
General physics (with lab)	1

Acceptable courses in these subjects usually extend over one year and are given credit for six to eight semester hours. The medical faculty has no preference as to a major field for undergraduate study but recommends that students advance beyond the elementary level in their field of study.

Selection Factors. The Committee on Admissions in general seeks to admit students who best suit the philosophies and goals of the school, which include providing an education in the scholarly and humane aspects of medicine and fostering the development of leaders who will advance medical practice and knowledge. It also seeks to ensure an adequate representation of women and minority groups and a diversity of interests and backgrounds. Yale University School of Medicine does not discriminate on the basis of race, sex, religion, national origin, age, or handicap.

In considering applicants, the committee views the individual as a whole, taking into consideration each student's academic record, MCAT scores, premedical committee evaluations, letters of recommendation, outside accomplishments, personal qualities, and suitability for Yale.

Interviews are arranged only by invitation of the admissions committee. A large number of applicants have attained a high level of academic achievement as indicated by grades and test scores. Activities and accomplishments are of considerable importance in distinguishing candidates as individuals and demonstrating an ability to make significant independent contributions. The admissions committee also considers personal attributes thought to be important in a physician and suitability for the Yale program of medical education.

Financial Aid. The school discourages excessive outside work and provides scholarship awards and loans for those who have serious financial needs. Financial aid applications will be enclosed with notification of acceptance in the event students wish to apply for financial assistance. All applicants for financial aid will be required to participate in GAPSFAS. The GAPSFAS requires student, spouse, and family financial statements. (See Chapter 6 for details.)

Information on Minorities. Yale University School of Medicine seeks to obtain an adequate representation of all minority groups and encourages qualified minority students to apply. Applicants invited for interviews will have the opportunity to meet with minority students and faculty to learn about the school. The Committee on Admissions includes minority members and is advised by a Minority Subcommittee.

Timetable of Application and Acceptance for 1983-84 First-Year Class

Filing of application
  Earliest date: June 1, 1982
  Latest date: Nov. 1, 1982
School application fee to all applicants: $40
Acceptance notice to regular applicants
  Earliest date: Dec. 15, 1982
  Latest date: April 15, 1983
Does have Early Decision Plan (EDP)
  EDP application period: June 1-Aug. 15, 1982
  Applicants notified by: Oct. 1, 1982
Applicant's response to acceptance offer
  Maximum time: 3 weeks
Deposit to hold place in class (applied to tuition): $100, due with response
Deposit refundable prior to: Aug. 1, 1983
Estimated number of new entrants: 102
Starting date: Sept. 1983

Expenses per Year for 1981-82 First-Year Class

Tuition: $7,750
Student fees: $90
Microscope rental available from school: $100
Total average figure for all other expenses: $6,680

Information on 1981-82 First-Year Class

Number of	*In-State*	*Out-of-State*	*Total*
Applicants*	200	2,991	3,191
New Entrants †	9	93	102

*20% were interviewed.

†100% were interviewed, took the MCAT, and had baccalaureate degrees.

Georgetown University School of Medicine

Dr. John Bernard Henry, Dean
Anthony C. Stangert, Assistant Dean, Admissions and Records
Ellen S. Smith, Director of Financial Aid

Address inquiries to:
Office of Admissions
Georgetown University
School of Medicine
3900 Reservoir Road, N.W.
Washington, D.C. 20007
(202) 625-7768

General Information. Georgetown University School of Medicine, established in 1851, is located in the northwest section of the city of Washington. In 1970 construction of a health sciences library, basic science building, classrooms, and laboratories was completed. In 1976 the Concentrated Care Center (C.C.C.) was opened. Adjacent to the medical school, the C.C.C. is a $24 million facility providing the Georgetown University Medical Center with a modern 12-room surgical suite, 24 pre-op and post-op surgical beds, and new and expanded emergency and x-ray departments. The University Hospital has 535 beds for patient care, clinical teaching, and research. Expansion plans include the Vincent T. Lombardi Cancer Research Center, which is expected to be completed in the spring of 1982. Other clinical teaching facilities include 30 affiliated federal and community hospitals in the metropolitan Washington area.

Curriculum. Georgetown's four-year curriculum is a combination of departmentally based basic science courses and laboratories, prescribed clinical clerkships, multidisciplinary courses and conferences, and electives. The first year is devoted to the accumulation of a basic fund of knowledge of normal structure and function. Altered structure and function are emphasized in the second year. Introduction to Clinical Sciences adds clinical relevance to each of the first four semesters of basic science. Electives are offered during the second semester of the first year and both semesters of the second year.

Clinical clerkships in the third year stress the skills required for the acquisition and interpretation of patient-based data; the fourth year adds the skills of patient management. During the fourth year, 20 weeks of unscheduled time are available for electives, no more than four of which may be used for vacation. A combined M.D.-Ph.D. program can be arranged.

Faculty-student review of curriculum is a continuing endeavor. Some preclinical and all clinical departments submit written student evaluations in addition to an honors/high pass/pass/fail grade.

Requirements for Entrance. The MCAT and a minimum of three years of college (90 semester hours) are required; the baccalaureate degree is highly desirable.

The minimum specific course requirements are:

	Sem./Qtr.
Biology (with lab)	2/3
Inorganic chemistry (with lab)	2/3
Organic chemistry (with lab)	2/3
General physics (with lab)	2/3
Mathematics	2/3
English	2/3

While a solid preparation in basic science is essential, a broad background in the humanities is also important.

Applicants are strongly urged to take the MCAT in the spring of the year of application and to have completed the required courses at the time of application. Since applications are not reviewed by the Committee on Admissions until the MCAT scores and grades are available, taking the MCAT in the fall or having required courses in process will delay consideration of an application, thus reducing the applicant's chances of acceptance.

Selection Factors. Students are selected on the basis of academic achievements, character, maturity, and motivation. There are no geographical quotas, although some preference is given to residents of the metropolitan District of Columbia area. In rendering its decisions, the Committee on Admissions evaluates the applicant's entire academic record, performance on the MCAT, college premedical advisory committee evaluations, letters of recommendation, and personal interviews.

For the 1981 class, 7,833 candidates applied from approximately 800 undergraduate colleges. The applicants who enrolled had the following credentials: *mean GPA*, 3.4; *undergraduate major*, 57 percent in biology, 12 percent in chemistry, 16 percent in other sciences, 15 percent in various humanities; *sex*, 24 percent women; *overall acceptance rate*, 390 acceptances were offered to obtain a class of 205 students.

No applicant is accepted without an interview. The interviews are conducted on the Medical Center campus and are not granted until all of the credentials have been received and reviewed by the Committee on Admissions. Applicants are urged to submit the application and supporting credentials as early as possible. The School of Medicine does not discriminate on the basis of race, sex, creed, age, handicap, or national or ethnic origin.

Financial Aid. Limited scholarship and loan aid is available and is awarded on the basis of financial need. Information on the financial status of parents is required of all students seeking aid.

A Financial Aid Information Packet is sent to all accepted applicants. This packet contains various suggestions on aid, explanations of federal aid programs, and the application for financial aid from Georgetown.

While the school makes an attempt to assist the student throughout the four years at the same level, it cannot assure this because of the uncertain nature of funding.

Other Information. A summer education program taught by members of the faculty helps prepare incoming students who may need additional preparation for the successful completion of the freshman year. It is possible to have application fees waived for disadvantaged applicants upon request and documentation of need.

Timetable of Application and Acceptance for 1983-84 First-Year Class

School participates in AMCAS. See Chapter 4.

Filing of AMCAS application
  Earliest date: June 15, 1982
  Latest date: Nov. 15, 1982
School application fee to all applicants: $35
Acceptance notice to regular applicants
  Earliest date: Nov. 15, 1982
  Latest date: Aug. 1983
Does have Early Decision Plan (EDP)
  EDP application period: June 15-Aug. 1, 1982
  Applicants notified by: Oct. 1, 1982
Applicant's response to acceptance offer
  Maximum time: 2 weeks
Deposit to hold place in class (applied to tuition): $100, due March 15, 1983
Deposit refundable prior to: June 15, 1983
Estimated number of new entrants: 205
Starting date: Aug. 1983

Expenses per Year for 1981-82 First-Year Class

Tuition: $15,950
Student fees: $290
Student must provide microscope
Total average figure for all other expenses: $8,040

Information on 1981-82 First-Year Class

Number of	*D.C.*	*Other*	*Total*
Applicants*	97	7,736	7,833
New Entrants †	15	190	205

*19.7% were interviewed.

†100% were interviewed and took the MCAT; 99% had baccalaureate degrees.

George Washington University School of Medicine and Health Sciences

Dr. L. Thompson Bowles, Dean for Academic Affairs
Dr. Robert I. Keimowitz, Associate Dean for Student Affairs and Admissions
Ruth E. Beer, Director of Financial Aid

Address inquiries to:
Office of Admissions
Room 615
George Washington University
School of Medicine and Health Sciences
2300 Eye Street, N.W.
Washington, D.C. 20037
(202) 676-3506

General Information. Classes were first held in the School of Medicine of the George Washington University in 1825. In 1973 a basic science building and medical library opened near the University Hospital and Clinic. The University Hospital is designed for clinical teaching and research. The University Clinic provides ambulatory experience in the medical and surgical specialties. The excellent teaching services of the Children's Hospital National Medical Center, Fairfax Hospital, Holy Cross Hospital, National Naval Medical Center, St. Elizabeths Hospital, Veterans Administration Hospital, and Washington Hospital Center are available to students, under the direction of the faculty.

Curriculum. The curriculum offers a comprehensive medical education while permitting substantial pursuit of individual interests through elective work available after the first semester. Graduates are well qualified to continue their education in any field of medicine. A thorough background in basic sciences is offered in departmental and interdisciplinary courses in the first two years. Clinical correlation begins in the first year. Clinical clerkships, offered under close supervision, begin in the third year. The fourth year is required, but choice of course work is largely elective. The honors/pass/conditional/fail system is used for grading.

The programs of the School of Medicine and Health Sciences are enhanced by close association with many divisions of the university and with many research and clinical facilities of the federal government located in the Washington area.

Requirements for Entrance. The MCAT and three years of college are required. Ninety semester hours of credit applicable toward a B.A. or B.S. in an approved college are the minimal requirements, although most selected students complete four years of college.

Required courses are:

	Sem. hrs.
Biology and/or zoology (with lab)	8
Inorganic chemistry (with lab)	8
Organic chemistry (with lab)	8
Physics (with lab)	8
English composition and literature	6

With the exception of these specific requirements, applicants are urged to follow their personal interests in developing their premedical course of study. Major studies in the humanities or in the sciences are equally acceptable.

Selection Factors. The first step in the selection procedure is an overall evaluation based on data contained in the AMCAS and supplemental applications. This evaluation screens applicants on the basis of grades (taking into account the college of origin as well as improvement in performance in later years), MCAT scores, pertinent extracurricular, research, and work experiences, and evidence of other nonscholastic accomplishments. Some additional consideration is given to applicants from the District of Columbia and its metropolitan area as well as to applicants from the university's undergraduate school. The next phase of the selection procedure depends on careful examination of personal comments and letters of recommendation. The most promising applicants are then invited for a personal interview either at the school or with a regional interviewer. The last phase includes the review by the Committee on Admissions of the entire dossier. The last phases are designed to select from those who are academically well prepared, students with motivational and personal characteristics that the committee considers important in future physicians. Qualified applicants are not discouraged from reapplying. There is no discrimination in the selection process because of race, sex, religion, age, marital status, handicap, or national or regional origin.

The 150 members of the 1981 entering class came from 81 different undergraduate schools. The proportion of entering students closely approximated the number of applicants from any given area in the country, except for a relatively higher proportion from the metropolitan Washington area. The mean undergraduate GPA was 3.4, although there was great variability about this average. Some other characteristics of the 1981 entering class were: *undergraduate major*, 76 percent majored in biology/zoology, chemistry, or psychology; *degrees*, 26 students had graduate degrees; *sex*, 52 women; *MCAT scores, mean and range, B*-10.0 (3-14), *C*-9.8 (4-14), *P*-9.7 (5-15), *SP*-9.7 (4-15), *SA:R*-9.3 (6-13), *SA:Q*-9.4 (4-14).

Financial Aid. Information regarding financial aid will be sent with the notice of acceptance. Although responsibility for arranging the financing of a medical education must rest with the student, the financial aid officer will provide information and assistance to try to help students meet their needs.

Students are not encouraged to seek part-time employment. Employment for spouses of students is usually available.

Because of restrictions placed on funds, financial aid can rarely be obtained by non-U.S. citizens. This fact will have to play a role in the Committee on Admissions' deliberations.

Information for Minorities. Qualified minority group applicants are encouraged to apply. Under appropriate circumstances the school's supplemental application fee will be waived, and regional interviews can be arranged to help contain application costs for disadvantaged students. Tutorial assistance can be arranged for students in academic need.

Timetable of Application and Acceptance for 1983-84 First-Year Class

School participates in AMCAS. See Chapter 4.

Filing of AMCAS application
  Earliest date: June 15, 1982
  Latest date: Nov. 1, 1982
School application fee to all applicants: $35
Acceptance notice to regular applicants
  Earliest date: Nov. 1, 1982
  Latest date: Sept. 1983
Does have Early Decision Plan (EDP)
  EDP application period: June 15-Aug. 1, 1982
  Applicants notified by: Oct. 1, 1982

Applicant's response to acceptance offer
  Maximum time: 3 weeks; after July 1, within 10 days
Deposit to hold place in class: none
A substantial tuition prepayment is required by Aug. 1, 1983; refundable
Estimated number of new entrants: 150
Starting date: Aug. 30, 1983

Expenses per Year for 1981-82 First-Year Class

Tuition: $15,000
Student fees: $111

Student must provide microscope
Total average figure for all other expenses: $7,000

Information on 1981-82 First-Year Class

Number of	*D.C.*	*Other*	*Total*
Applicants*	85	7,224	7,309
New Entrants †	7	143	150

*13% were interviewed.
†100% were interviewed, took the MCAT, and had baccalaureate degrees.

Howard University College of Medicine

Dr. Russell L. Miller, Dean
Ann Finney, Admissions Officer
Rosalind E. Brown, Financial Aid Officer

Address inquiries to:
Office of the Dean
Howard University
College of Medicine
520 W Street, N.W.
Washington, D.C. 20059
(202) 636-6270

General Information. Howard University was authorized by a charter of the 39th Congress of the United States which was signed by President Andrew Johnson on March 2, 1867. Prominent among the founders was Major General Oliver Otis Howard, Civil War hero and then commissioner of the Freedmen's Bureau, for whom the institution was named.

In 1969 the College of Medicine was incorporated in the Howard University Center for the Health Sciences, which also includes the colleges of dentistry, allied health sciences, nursing, and pharmacy and pharmacal sciences as well as the University Health Service and the Howard University Hospital. Total enrollment in the College of Medicine is approximately 500.

Curriculum. The curriculum is designed to provide a firm basis for the science and art of medicine and has been modified to provide more effective integration of basic science concepts, clinical application, and research.

The program of instruction is based on the philosophy of a "core" concept of medical education. By this approach, the students are presented the essential knowledge and skills necessary for the practice of medicine in core courses which are required of all medical students. In addition, time is provided in the schedule for students to pursue areas of their interest through elective courses.

The core disciplines of the first and second years include gross and developmental anatomy, histology and cell structure, biochemistry, homeostasis, physiology of organ systems, pathology, pharmacology, medical genetics, psychiatry, biometrics and epidemiology, and microbiology. In addition to these, three interdisciplinary courses are offered in the first year: Basic Neuroscience and Introduction to Patient Care I and II. During the second year, the interdisciplinary courses are offered as pathophysiology of organ systems, infectious diseases, and the principles of physical diagnosis in Introduction to Patient Care III and IV.

The third and fourth years consist of blocks of instruction in a continuum of clerkships and examinations for various clinical subjects. During the fourth year, opportunity is available for additional clinical or research experience through 16 or 20 weeks of required electives.

The 500-bed Howard University Hospital was completed in 1975. It is the college's teaching hospital for medical students and is used for specialty training in internal medicine, family practice, surgery, obstetrics and gynecology, pediatrics, psychiatry, radiology, radiation therapy, anesthesiology, dermatology, neurology, pathology, and most of the sub-specialties. Medical students also serve clerkships at the District of Columbia General Hospital, St. Elizabeths Hospital (psychiatry), Walter Reed Army Medical Center, the U.S. Naval Medical Center (in Bethesda, Maryland), the Washington Veterans Administration Hospital, and the Greater Southeast Community Hospital.

The Early Entry Medical Education Program (EEMEP), initiated in 1971, permits undergraduates who have completed their second or third year to be eligible for admission to the College of Medicine. This program allows for the reduction of the traditional total years of college and medical school to six or seven years. Participants in the EEMEP must have completed their premedical requirements and must present above average scores on the MCAT.

A combined B.S.-M.D. program was initiated in 1974 for students enrolling in the College of Liberal Arts from high school. Requirements for admission to the preclinical and clinical portions of the program are the same as for the EEMEP. Both degrees may be obtained in a six-year period.

For those students who qualify, a three-year (shortened curriculum) program leading to the M.D. degree is available. This program also allows for the reduction of the traditional total years of college and medical school to seven years.

Ph.D. degree programs are available in anatomy, genetics, microbiology, biochemistry, pharmacology, and physiology.

Requirements for Entrance. The MCAT is required. It is strongly recommended that all applicants take the MCAT in the spring rather than in the fall of the year in which they apply. Course work should include:

	Sem. hrs.
Biology	8
General chemistry	8
Organic chemistry	8
General physics	8
Mathematics	6
English	6

Selection Factors. There are four major criteria used in the selection of applicants for admission to the College of Medicine: (1) character and discernible motivation for medicine, (2) results of the MCAT, (3) scholastic record, and (4) letters of recommendation from preprofessional advisers and faculty. Candidates for admission and alternates are selected from those applicants who satisfy the criteria and who are most likely to serve in communities needing physician services. MCAT scores and GPAs are used for initial screening.

An invitation for an interview is extended to an applicant after the Committee on Admissions has made a preliminary examination of the applicant's credentials and has decided that an interview is desirable. Regional interviews will be held in selected cities.

Although the total student is evaluated, the Committee on Admissions gives strongest consideration to those who have GPAs of 3.0 and above.

Approximately 4,100 applicants were received for the 129 places in the 1981 entering class.

There are no resident restrictions. All applicants will be evaluated regardless of their sex, race, religion, national origin, age, or handicap. In the 1981 entering class, 88 percent were black, 12 percent were foreigners, and 47 percent were women.

Financial Aid. Approximately 85 percent of the students enrolled in the College of Medicine receive some sort of financial assistance. Financial aid awards are based on the analysis of each student's needs. This is accomplished with the assistance of GAPSFAS (see Chapter 6 for details) and the College of Medicine's Financial Aid Committee.

Timetable of Application and Acceptance for 1983-84 First-Year Class

School participates in AMCAS. See Chapter 4.

Filing of AMCAS application
  Earliest date: June 15, 1982
  Latest date: Dec. 15, 1982
School application fee after screening: $25
Acceptance notice to regular applicants
  Earliest date: Oct. 15, 1982
  Latest date: varies
Does not have Early Decision Plan
Applicant's response to acceptance offer
  Maximum time: 30 days
Deposit to hold place in class (applied to tuition): $100, due within 30 days of acceptance
Deposit refundable prior to: March 1, 1983
Estimated number of new entrants: 129
Starting date: Aug. 22, 1983

Expenses per Year for 1981-82 First-Year Class

Tuition: $3,000
Student fees: $278
Microscope rental available from school: $35
Total average figure for all other expenses: $6,534

Information on 1981-82 First-Year Class

Number of	*D.C.*	*Other*	*Total*
Applicants*	65	4,040	4,105
New Entrants†	13	116	129

*15% were interviewed.

†98% were interviewed and took the MCAT; 86% had baccalaureate degrees.

University of Florida
College of Medicine

Dr. William B. Deal, Associate Vice President for Clinical Affairs and Dean
Dr. Hugh M. Hill, Associate Dean for Admissions and Chairman, Financial Aid Committee
Dr. J. Ocie Harris, Chairman, Medical Selection Committee

Address inquiries to:
Chairman, Medical Selection Committee
Box J-216
J. Hillis Miller Health Center
University of Florida
College of Medicine
Gainesville, Florida 32610
(904) 392-3071

General Information. Housed in a modern physical plant, the College of Medicine offers many unique opportunities for the education of physicians: a high faculty-to-student ratio, a liberal approach to the medical curriculum, the broadening influence from its location on a large university campus, and a postgraduate program for continuing education. The faculty is representative of most scientific and clinical areas of medicine and is actively engaged in a variety of investigative endeavors.

Curriculum. The curriculum provides the student with many opportunities for individual initiative and choice, with an early experience in clinical medicine, and with an opportunity for extensive involvement in community health programs. Through a period of electives, students also may choose involvement in biomedical or clinical research, either as part of their work toward the M.D. degree or as fulfillment of a Ph.D. degree. Through its affiliation with the Jacksonville Hospitals Educational Program, the College of Medicine enables interested students to work in a metropolitan community hospital.

The College of Medicine represents one part of an overall program of health education that is embodied in the concept of the J. Hillis Miller Health Center. Meshing with the program for physicians are the training programs of the colleges of dentistry, nursing, pharmacy, veterinary medicine, and health-related professions and research scientists working for a Ph.D. degree in medical sciences through the Graduate School. A combined M.D.-Ph.D. program is also available.

Junior Honors Medical Program. Students accepted into the Junior Honors Medical Program at the end of their second year of college enroll in basic medical science seminars as well as electives during their third year. They become full-time medical students during their fourth year and receive a B.S. degree at the end of their fourth year from the College of Arts and Sciences. Although primarily intended for students in their second year at the University of Florida, applications from other Florida residents will be considered. Further information may be obtained by writing to the assistant dean for preprofessional education at the College of Medicine.

Requirements for Entrance. The MCAT is required and preferably should be taken in the spring, but no later than the fall, of the year of application. The student should have completed the requirements for a bachelor's degree at an accredited college or university. In exceptional instances students upon whom the degree has not been conferred may be admitted. College work must include:

	Sem. hrs.
Biology (with lab)	8
Inorganic chemistry (with lab)	8
Organic chemistry (with lab)	8
General physics (with lab)	8

The remainder of courses should be distributed throughout the liberal arts, humanities, and the social, mathematical, biological, and behavioral sciences.

Selection Factors. Applicants will be appraised on the basis of personal attributes, previous academic record, evaluation of past performances, the MCAT, and a personal interview. The school does not discriminate on the basis of race, sex, creed, or national origin. Although Florida students are given preference in admission, a limited number of out-of-state students are considered each year. Nonresident applicants must demonstrate superior qualifications, and almost all of those accepted have GPAs of 3.5. For the 1981 entering class, 860 applications were received from nonresidents; only five nonresident students were enrolled, emphasizing the need for nonresidents to demonstrate outstanding credentials. The school will continue to seek minority applicants and strongly encourages members of minority groups to apply regardless of residence.

Accepted students for the 1981 entering class had the following characteristics: *mean GPA*, 3.5 (80 percent had an overall GPA of 3.3 or higher); *sex*, 30 percent women; *minorities*, 14 percent black/Afro-American, 9 percent Cuban or Puerto Rican.

Financial Aid. Every attempt is made to assist enrolled students who need financial aid. A limited number of scholarships and loan funds are available to students in need, and applications are accepted at any time. A few student summer and/or school-year research fellowships are available. Assistantships and fellowships are available to candidates for graduate degrees in medical sciences. Loans and scholarships are available to qualified students in financial need through the Health Professions Educational Assistance Act.

Timetable of Application and Acceptance for 1983-84 First-Year Class

School participates in AMCAS. See Chapter 4.

Filing of AMCAS application
  Earliest date: June 15, 1982
  Latest date: Nov. 15, 1982
School application fee after screening: $15
Acceptance notice to regular applicants
  Earliest date: Oct. 15, 1982
  Latest date: when class is filled

Does not have Early Decision Plan
Applicant's response to acceptance offer
  Maximum time: 2 weeks
Deposit to hold place in class: none
Estimated number of new entrants: 85
Starting date: Aug. 22, 1983

Expenses per Year for 1981-82 First-Year Class

Tuition
  Resident: $2,037
  Nonresident: $4,763
Student fees: $69

School provides microscope without charge
Total average figure for all other expenses: $8,000

Information on 1981-82 First-Year Class

Number of	*In-State*	*Out-of-State*	*Total*
Applicants*	842	860	1,702
New Entrants †	80	5	85

*19% were interviewed.

†100% were interviewed and took the MCAT; 91.6% had baccalaureate degrees.

Florida State-Florida A&M Program in Medical Sciences

This program is a cooperative venture in medical education between the two state universities in Tallahassee and the University of Florida College of Medicine. In this program undergraduate students at Florida State University (FSU) and Florida A&M University (FAMU) can combine work toward a bachelor's degree with courses in basic medical sciences equivalent to the first year of the curriculum at the College of Medicine. Students will transfer to Gainesville as second-year students to complete their work toward the M.D. degree. Only FSU and FAMU students with sophomore or junior undergraduate standing are eligible for consideration in this program. For further information write: Program in Medical Sciences, Florida State University, Tallahassee, Florida 32306.

University of Miami
School of Medicine

Dr. Bernard J. Fogel, Vice President for Medical Affairs and Dean (Interim)
Barbara L. Binns, Associate Dean for Admissions
Laura Horsley, Director of Student Financial Aid

Address inquiries to:
Office of Admissions
University of Miami
School of Medicine
P.O. Box 016159
Miami, Florida 33101
(305) 547-6791

General Information. The University of Miami School of Medicine, the first accredited medical school in Florida, opened in 1952. In the ensuing years, the school has experienced remarkable growth because of the dedication and devotion of faculty, students, and staff.

The School of Medicine has become the impetus behind a rapidly growing major medical center in the heart of Miami. Included are the school's teaching facility, Rosentiel Medical Sciences Building; Kathleen and Stanley Glaser Medical Research Building; Jackson Memorial Hospital; Bascom Palmer Eye Institute; Veterans Administration Hospital; Mailman Child Development Center; University of Miami Hospitals and Clinics (National Childrens Cardiac Hospital); Ann Bates Leach Eye Hospital; Calder Memorial Library; and a new, five-story Ambulatory/Primary Care Center. Construction is underway for a multimillion dollar Maternal and Child Care Tower.

More than 2,000 beds are available for clinical teaching in the UM-JMH Medical Center at Jackson Memorial and Veterans Administration hospitals, and teaching relationships are maintained at a number of private hospitals throughout the greater Miami area.

Curriculum. The curriculum is continually under study, and its goal is to create a framework of medical education in which students may function to the best of their abilities and interests and to educate men and women to be physicians of knowledge and compassion.

The preclinical and clinical training programs are designed to allow maximum student self-study time and provide audiovisual aids, review periods by the faculty before all examinations, early clinical exposure, and a meaningful elective training schedule.

Although certain requirements are necessary, the curriculum allows the student a flexible learning structure in which to explore the various facets of medicine and to seek within its confines knowledge of many areas.

There are three pathways available for obtaining the doctor of medicine degree: the regular four-year M.D. curriculum and two programs leading to both the M.D. and Ph.D. degrees. The aim of all three is to provide students both with the background they need to become good clinical physicians and with a scholarly understanding of the basic sciences.

Requirements for Entrance. The MCAT and a minimum of 90 semester hours of college work in approved institutions (exclusive of military sciences or physical education courses) are required. An application that presents only a junior college academic record will not receive consideration. Courses specifically required are:

	Semesters
General biology Not more than one semester of botany is acceptable.	2
Inorganic chemistry	2
Organic chemistry	2
General physics	2
Mathematics through calculus	1
English	2
Biochemistry or advanced chemistry	(3 sem. hrs./4 qtr. hrs.)

Students are encouraged to study in the humanities as well as take science courses beyond those required. A broad background of information is desirable.

An Early Decision Program will be implemented for the class entering in the fall of 1983, and complete information is available from the Office of Admissions.

All students, however, are advised that it is in their best interest to file the application early and to make sure that it is completed as rapidly as possible.

Selection Factors. The Committee on Admissions weighs such factors as scholastic performance, results of the MCAT, moral character, and motivation. Applications from women and socioeconomically disadvantaged candidates are especially encouraged, as are those from applicants who have had several years of work or graduate education and experience. It has long been a policy of the school to select students of varying backgrounds in order to satisfy the many needs of medicine. Applicants' files are reviewed without regard to race, creed, sex, national origin, age, or handicap. A personal interview is necessary before final consideration by the Committee on Admissions. However, these interviews will be arranged at the initiative of the school for those candidates who appear to be under serious consideration for admission.

Financial Aid. The school has limited funds available for financial assistance to students; these can be awarded either for academic promise or proven financial need and are available to students in all classes. Information concerning loans or scholarships may be obtained by writing to the director of student financial aid. First-year students are advised not to attempt outside employment during the academic year.

Timetable of Application and Acceptance for 1983-84 First-Year Class

Filing of application
  Earliest date: July 1, 1982
  Latest date: Dec. 15, 1982
School application fee to all applicants [illegible]
Acceptance notice to regular applicants
  Earliest date: Oct. 1982
  Latest date: when class is filled
Does have Early Decision Plan (EDP)
  For Florida residents only
  EDP application period: June 15-Aug. 1, 1983
  Applicants notified by: Oct. 1, 1983

Applicant's response to acceptance offer
  Maximum time: 2 weeks
Deposit to hold place in class (applied to tuition):
  $50, due with response
Deposit refundable prior to: July 15, 1983
Estimated number of new entrants: 136
Starting date: Sept. 6, 1983

Expenses per Year for 1981-82 First-Year Class

Tuition: $7,538
Student fees: $300

Student must provide microscope
Total average figure for all other expenses:
  $10,505

Information on 1981-82 First-Year Class

Number of	*In-State*	*Out-of-State*	*Total*
Applicants*	922	222	1,144
New Entrants †	135	1	136

*58% were interviewed.
†100% were interviewed and took the MCAT; 95% had baccalaureate degrees.

Ph.D. to M.D. Program

The University of Miami in 1971 instituted an intensive, accelerated, and separate curriculum permitting persons with Ph.D. degrees to become medically qualified and receive the M.D. degree within two years. The only prerequisite for consideration for admission is a Ph.D. degree based upon a natural, physical, or engineering science. There are no prerequisite courses required of any applicant. Thirty-eight students are admitted each year.

Selection is made by a committee entirely separate from the admissions committee for the regular M.D. curriculum. There are no state residency requirements, and foreign students are admitted. Except under special circumstances, to be determined by the admissions committee, all applicants should take either the MCAT or the Graduate Record Examination and have their scores transmitted to the Admissions Office.

Classes commence July 1 each year; successful graduates begin their residency training two years after entrance into the program. A $35 application fee is required of all applicants. Tuition and fees are currently $10,069 per year. Applications must be postmarked no later than December 1 in the year preceding the starting date of each class. Limited funds in the form of loans are available for needy students.

Inquiries and requests for application material should be sent to Admissions Office R-123, Ph.D. to M.D. Program, P.O. Box 016960 at the medical school.

University of South Florida College of Medicine

Dr. Andor Szentivanyi, Director of the Medical Center and Dean, College of Medicine
Dr. Julian J. Dwornik, Associate Dean, Admissions
Dr. Alan I. Leibowitz, Assistant Dean, Student Affairs

Address inquiries to:
Admissions Office, Box 3
University of South Florida
College of Medicine
12901 North 30th Street
Tampa, Florida 33612
(813) 974-2229

General Information. The University of South Florida College of Medicine at Tampa was created by the Florida legislature in 1965. The charter class of 24 students was admitted in September 1971. The recently completed facilities accommodate an entering class of 96 students. The College of Medicine has been constructed on a 67-acre site on the University of South Florida campus adjacent to a new 720-bed Veterans Administration Hospital.

Until July 1974, classes were held in temporary space and in the University of South Florida Science Center and the Medical Surge Building. A completed two-phase building program has provided a medical science area, auditorium, cafeteria, medical library, and medical clinics. Clinical instruction is in large part based in Tampa at the medical clinics at the Medical Center, Tampa General Hospital, James A. Haley Veterans Administration Hospital, St. Joseph's Hospital, and Women's Hospital. Clinical instruction is also given in St. Petersburg at All Children's Hospital and Bayfront Medical Center.

Curriculum. A four-year program designed for flexibility was implemented for the class entering in 1980. The four-year program includes an initial academic period of instruction in the basic medical sciences; an academic clerkship program providing clinical experience in medicine, surgery, obstetrics and gynecology, pediatrics, and psychiatry; and an academic period of multiple electives in clinical and basic medical sciences. The student's performance is evaluated by each department at the end of each instruction period as honors, pass with commendation, pass, or fail.

Requirements for Entrance. The MCAT is required. A minimum of three years of college or university work at a fully accredited institution is mandatory. Although the baccalaureate degree is desirable, a three-year applicant with a superior academic record and demonstrated maturity may be considered. Each applicant must have completed at least 90 semester hours of accredited college work, exclusive of military training and physical education, including the following subjects:

	Semesters
General biology (with lab)	2
Mendelian genetics (lab optional)	1
General chemistry (with lab)	2
Organic chemistry (with lab)	2
General physics (with lab)	2
Mathematics	2
English	2
Statistics (mathematics or social science)	1

Courses recommended but not required include: physical chemistry or biological chemistry, embryology, cell biology, and comparative anatomy.

CLEP credit in required premedical courses is strongly discouraged. Individuals who do receive credit by CLEP in basic premedical courses are advised to take a full year of course work in the same area at the more advanced level.

Applicants are strongly urged to take the MCAT in the spring of the year of application and to have their basic science requirements completed at the time of application. No applicant will be considered for admission until the application materials are complete and received in the Admissions Office. Applications from individuals who wait to take the MCAT in the spring of the year in which they anticipate matriculating will not be considered.

Selection Factors. The selection of students of medicine is based on character, integrity, motivation, academic achievement, and emotional maturity and stability. In addition, course load and types of courses taken will be evaluated and will constitute a factor in the overall evaluation.

Although the selection process is essentially competitive, with evaluation of students by their college faculty being a significant factor, there are some general guidelines on suitability of an applicant to the college. Because the University of South Florida is a state institution, preference is given to Florida residents. In those instances where residency is in question, for tuition purposes, an applicant is requested to submit a Declaration of Domicile. Nonresidents are discouraged from applying unless they present outstanding scores on the MCAT and an excellent GPA from an accredited four-year institution. A limited number of out-of-state applicants may be accepted.

Applicants requesting an application should clearly indicate whether or not they are Florida residents.

To be competitive, Florida residents should have a GPA of 3.0 or better on a 4.0 scale and a score of 8 or better on each category of the MCAT.

The 1981 entering class profile was: *mean GPA*, 3.6 with 80 percent having an overall GPA of 3.5 or higher; *mean MCAT scores*, *B*-9.9, *C*-10.1, *P*-10.2, *SP*-9.9, *SA:R*-9.1, *SA:Q*-9.4; *minorities*, 10 percent; *sex*, 27 percent female.

The Admissions Office may at its discretion invite the applicant to come for a personal interview. An invitation for an interview means only that the initial evaluation is sufficiently high to warrant further consideration by the Committee on Admissions.

Eligibility for admission will be determined without regard to race, creed, sex, age, religion, national origin, or handicap.

Financial Aid. The financial status of applicants does not affect their acceptance. Limited funds are available for loans and scholarships.

First-year students are not permitted to engage in outside employment. There are employment opportunities in Tampa and the surrounding area for spouses.

Information for Minorities. Programs, activities, and facilities of the University of South Florida are available to all on a nondiscriminatory basis without regard to race, creed, religion, sex, age, national origin, or handicap. The university is an affirmative action Equal Opportunity Employer. Applications from qualified minority applicants are encouraged.

Timetable of Application and Acceptance for 1983-84 First-Year Class

Filing of formal application (resident)
Earliest date: July 1, 1982 (firm rule)
Latest date: Dec. 1, 1982 (firm rule)
School application fee to formal applicants: $15
Acceptance notice to regular applicants
Earliest date: Aug. 1982
Latest date: when class is filled

Does have early acceptance plan
For bona fide Florida residents only
Early acceptance plan application period: July 1-Aug. 1, 1982
Applicants notified by: Aug. 31, 1982
Applicant's response to acceptance offer
Maximum time: 2 weeks
Deposit to hold place in class: none
Estimated number of new entrants: 96
Starting date: Aug. 29, 1983

Expenses per Year for 1981-82 First-Year Class

Tuition
Resident: $1,527.75
Nonresident: $3,572.25
Student fees: $51.75

School provides microscope without charge
Total average figure for all other expenses: $4,500

Information on 1981-82 First-Year Class

Number of	*In-State*	*Out-of-State*	*Total*
Applicants*	860	139	999
New Entrants†	96	0	96

*36% were interviewed.
†100% were interviewed and took the MCAT; 99% had baccalaureate degrees.

Emory University School of Medicine

Dr. James F. Glenn, Dean
Dr. Dorothy E. Brinsfield, Executive Associate Dean
Dr. John H. Stone, Assistant Dean and
Director of Admissions

Address inquiries to:
Medical School Admissions, Room 303
Woodruff Medical Center Administration Building
Emory University
School of Medicine
Atlanta, Georgia 30322
(404) 329-5660

General Information. The Emory University School of Medicine was founded in 1915, resulting from several reorganizations dating from 1854 when the Atlanta Medical College was founded. The work of the first two years is primarily on the university campus. The last two years are spent in the school's teaching hospitals, in which there are more than 3,000 beds and large outpatient clinics.

Curriculum. The curriculum is intended to lay a comprehensive foundation for a career in practice, teaching, research, or other medical areas. The first year consists primarily of basic health sciences and incorporates multimedia teaching aids. One course is interdisciplinary and deals with fundamental sociomedical problems. In the second year, students complete their basic science background and spend a major portion of their time in an integrated course in clinical methods which extends broadly into the various clinical fields. The third year is devoted exclusively to instruction in all major clinical subjects. Only 33 percent of the fourth year is spent in required clinical clerkships, with the balance being devoted to elective work which encompasses a large variety of studies at both local and distant sites.

The Medical Scientist Program, which leads to the M.D. and Ph.D. degrees, is available for a limited number of students each year. Six to seven years is the time estimated for completion of the program. A master of community health degree is available through a joint enrollment program for the regular four-year medical student.

Requirements for Entrance. The MCAT and three years of college are required as a minimum. Ninety semester or 135 quarter hours in arts and sciences at an institution accredited by its regional association must be completed to be eligible for enrollment.

The premedical program should be aimed toward a balanced liberal education and should ensure thorough grounding in the stated requirements. Majors in the sciences or nonsciences are equally acceptable. The latter must show competence in mathematics and in the natural sciences. Majors in mathematics or the natural sciences should always include subjects of broad educational value in their premedical curricula.

Specific minimum requirements are:

	Years
Biology (with lab)	1
Inorganic chemistry (with lab)	1
Organic chemistry (with lab) Must be a full-scale course. (Minimum of 6 sem./10 qtr. hrs.)	1
Physics (with lab)	1
English (Minimum of 6 sem./10 qtr. hrs.)	1
Humanities, behavioral science, and social science (Minimum of 18 sem./27 qtr. hrs. are required in subjects other than natural and physical sciences.)	

Biochemistry is highly recommended.

Undergraduate degree credit that has been granted to the student on the basis of CLEP will be accepted provided (1) the credit appears on the official transcript and (2) CLEP credits are not the sole fulfillment of any specific course requirement listed above. CLEP credit in excess of 25 percent of a student's total undergraduate credit will not be accepted.

Selection Factors. There are 110 students in the entering class, and approximately 50 percent of the positions are filled by Georgians. Students are selected on the basis of scholastic achievement, fitness and aptitude for the study of medicine, and personal qualifications, without regard to race, sex, age, handicap, creed, veteran status, or national origin. To make application, an applicant must (a) present a level of scholarship above average (GPA of 3.3 or above for non-Georgians); (b) take the MCAT preferably in the spring but no later than the fall of the year of application; (c) apply through AMCAS and submit the required Emory supplemental application form and fee (this form is automatically mailed upon receipt of the AMCAS application); (d) have the required evaluation(s) submitted; and (e) appear for a personal interview before the Admission Committee. Interview is by invitation and is conducted only at Emory University. Foreign students must complete one year of undergraduate education in an accredited U.S. or Canadian institution to be considered. Advanced standing is not given for work completed in other professional or graduate schools. It is anticipated anyone enrolled in a graduate degree program will receive the degree or will have completed all required work for the degree by the date of matriculation.

The 1981 class had the following credentials at the time of application: *mean GPA*, 3.61; *mean MCAT scores*, *B*-10.1, *C*-10.4, *P*-10.4, *SP*-10.3, *SA:R*-9.3; *SA:Q*-9.4; *undergraduate major*, 33 percent in biology, 27 percent in chemistry, with the remainder from a variety of fields, including other physical sciences, humanities, and social sciences; *overall acceptance rate*, 34 percent of interviewed applicants. Other characteristics of the entering class of 110 were: *sex*, 34 percent women; *minorities*, 3 percent black, 7 percent Asian/Pacific Islanders, 3 percent Hispanic.

Financial Aid. A limited number of scholarships and loans are available through the Financial Aid Office of Emory University. Approximately 30 percent of all the enrolled medical students receive scholarships and loans through Emory University. Most scholarships and loans are awarded on the basis of documented financial need. Application information may be requested from the university Financial Aid Office prior to acceptance. Approximately 20 percent of the students receive U.S. Armed Forces and National Health Service Corps scholarships.

Six Robert Woodruff Fellowships, not based on need, are awarded yearly to entering students. Additional information on this competitive, merit-based program is available from the Medical School Admissions Office.

Information for Minorities. Minority students, especially from Georgia and other southeastern states, are encouraged to apply. The school does not routinely place any student in a special program upon enrollment. In the event a student does experience academic difficulties, Emory is prepared to arrange an individualized program which will be optimal for the particular student to complete the required work.

Timetable of Application and Acceptance for 1983-84 First-Year Class

School participates in AMCAS. See Chapter 4.

Filing of AMCAS application
  Earliest date: June 15, 1982
  Latest date: Oct. 15, 1982
School application fee to all applicants: $40
Acceptance notice to regular applicants
  Earliest date: Oct. 15, 1982
  Latest date: March 15, 1983
Does have Early Decision Plan (EDP)
  EDP application period: June 15-Aug. 1, 1982
  Applicants notified by: Oct. 1, 1982

Applicant's response to acceptance offer
  Maximum time: 3 weeks unless otherwise specified
Deposit to hold place in class (applied to tuition): $50, due with response
Deposit refundable prior to: June 15, 1983
Estimated number of new entrants: 110
Starting date: Aug. 25, 1983

Expenses per Year for 1981-82 First-Year Class

Tuition: $8,500
Student fees: $165

School provides microscope without charge
Total average figure for all other expenses: $5,780

Information on 1981-82 First-Year Class

Number of	*In-State*	*Out-of-State*	*Total*
Applicants*	456	3,794	4,250
New Entrants †	57	53	110

*16% were interviewed.

†100% were interviewed and took the MCAT; 98% had baccalaureate degrees.

Medical College of Georgia School of Medicine

Dr. Fairfield Goodale, Dean and Medical Director
Dr. Boyd D. Sisson, Associate Dean for Admissions
Dr. James B. Puryear, Director of Student Affairs

Address inquiries to:
Office of Student Affairs
Medical College of Georgia
School of Medicine
Augusta, Georgia 30912
(404) 828-3186

General Information. The School of Medicine of the Medical College of Georgia was founded in 1828 and is the nation's 21st oldest medical school. The institution is a separate college under the Georgia Higher Education System and consists of five schools: medicine, allied health, dentistry, graduate studies, and nursing.

Talmadge Memorial Hospital is operated by the institution as its primary teaching clinical facility. Other hospitals in Augusta and in cities throughout the state have affiliate agreements with the Medical College of Georgia to provide clinical teaching facilities.

Curriculum. During the first year the students study the structure and function of the human body through courses in anatomy, histology, embryology, biochemistry, neurosciences, physiology, and microbiology as well as courses in humanities and behavioral sciences. Patient contact begins during this time with physical diagnosis.

The second year points toward clinical medicine with courses in pathology, pharmacology, genetics, community medicine, laboratory medicine, reticuloendothelial system, endocrinology, infectious diseases, and ophthalmology. There are also courses in radiology, anesthesiology, neurology, and psychiatry, and during part of both the first and second years, two afternoons a week are assigned for electives.

During Phase III the students are required to take 18 months of academic work, which must include 10 months of the six basic clerkships in the departments of medicine, surgery, obstetrics and gynecology, pediatrics, psychiatry, and neurosciences. The remaining eight months of Phase III consist of electives.

Requirements for Entrance. The MCAT and three years of undergraduate college work leading to a baccalaureate degree in an accredited institution are required. However, preference is given to students who will have completed the baccalaureate degree prior to enrollment at the School of Medicine.

College work must include:

	Years
Biology (with lab)	1
Inorganic chemistry (with lab)	1
Advanced chemistry (with lab) Must include 1 semester or 2 quarters of organic chemistry.	1
Physics (with lab) Courses covering heat, light, sound, electricity, magnetism, and mechanics.	
English Sufficient to satisfy baccalaureate degree requirements.	

These required courses must be taken on a regular grading system (not pass/fail) if at all possible.

Interviews with members of the faculty, evaluations from premedical advisers, and personal references are required.

Selection Factors. Admission is on a competitive basis. Applicants for admission to the School of Medicine are considered on the basis of academic ability and achievement; scores on the MCAT; and assessment of individual potential for meeting society's health care needs as evaluated by the premedical adviser, two personal references, and Medical College of Georgia faculty.

Resident applicants for the 1981 entering class had a mean GPA of 3.5. The mean GPA was higher for nonresidents.

Preference is given to residents of Georgia. A maximum of 5 percent of the entering class may be nonresidents of Georgia. Nonresidents who wish to apply should have a minimum GPA of 3.5.

Applicants must take the MCAT no later than the fall of the year application is made.

The Admissions Committee selects the applicants to be invited for interviews by reviewing each application. These interviews are with members of the Admissions Committee and Medical College of Georgia faculty who aid in assessing the applicant's personality, motivation, and ability to make the adjustments necessary for the successful study of medicine.

Students who did not receive their undergraduate education in an accredited U.S. or Canadian institution cannot be considered. Advanced standing is not given for work completed in professional or graduate schools other than medical schools.

The Medical College of Georgia does not discriminate on the basis of race, sex, creed, or national origin in its admissions process.

Financial Aid. The Office of Financial Aid coordinates the programs of assistance which are available to medical students.

An applicant's financial status does not affect acceptance for admission. Information and applications may be obtained by writing the Office of Financial Aid.

Information for Minorities. The School of Medicine at the Medical College of Georgia seeks to enroll qualified minority group students. One of the primary recruiting mechanisms is a summer program designed for undergraduate college students who show academic promise and desire to study medicine. Students may apply for this program by writing to the Office of Minority Student Affairs or to Dr. Thomas F. McDonald, program director and associate dean for basic sciences.

Timetable of Application and Acceptance for 1983-84 First-Year Class

School participates in AMCAS. See Chapter 4.

Filing of AMCAS application
  Earliest date: June 15, 1982
  Latest date: Dec. 1, 1982
School application fee: none
Acceptance notice to regular applicants
  Earliest date: Oct. 15, 1982
  Latest date: class registration date
Does not have Early Decision Plan
Applicant's response to acceptance offer
  Maximum time: 21 days
Deposit to hold place in class (applied to tuition): $50, due with response
Deposit refundable prior to: registration date
Estimated number of new entrants: 180
Starting date: Sept. 1983

Expenses per Year for 1981-82 First-Year Class

Tuition
  Resident: $1,785
  Nonresident: $3,570
Student fees: $153
Microscope rental available from school: $40
Total average figure for all other expenses: $5,350

Information on 1981-82 First-Year Class

Number of	*In-State*	*Out-of-State*	*Total*
Applicants*	626	596	1,222
New Entrants †	177	3	180

*42% were interviewed.

†100% were interviewed, took the MCAT, and had baccalaureate degrees.

The Morehouse School of Medicine

Dr. Louis W. Sullivan, President and Dean
Dr. Milford W. Greene, Assistant Dean
for Admissions and Student Affairs
Velma T. Moultrie, Financial Aid and
Student Affairs Officer

Address inquiries to:
Admissions and Student Affairs
The Morehouse School of Medicine
830 Westview Drive, S.W.
Atlanta, Georgia 30314
(404) 524-5262; 525-3076

General Information. The Morehouse School of Medicine is one of the three medical schools in the United States founded by historically black institutions and the first such medical school to open in this century. On April 6, 1978, the School of Medicine was awarded provisional accreditation by the Liaison Committee on Medical Education, and the charter class of 24 students enrolled in September 1978. The major goal of the Morehouse School of Medicine is to recruit and educate students who will become primary care physicians for medically underserved rural areas and the inner cities, including low-income and minority communities.

The Morehouse School of Medicine has been operating as a two-year basic medical science institution. Students completing the first two years at the school have been guaranteed places in the third-year classes at the Medical College of Georgia School of Medicine, Emory University School of Medicine, Howard University College of Medicine, and the University of Alabama School of Medicine. Until Morehouse School of Medicine receives full accreditation as a four-year school, it will continue to operate the transfer process in the same manner as in the past in order to guarantee students a place in the third-year class of degree-granting institutions. Full accreditation is anticipated in June 1985, when the School of Medicine will first award the M.D. degree to students who complete the four-year curriculum. Students who matriculated as first-year students in the 1981-82 academic year or later are expected to receive all of their undergraduate medical education at Morehouse.

Clinical affiliations of the school include Southwest Community Hospital, Hughes Spaulding Pavilion of Grady Memorial Hospital, Southside Comprehensive Health Center, and the Morehouse School of Medicine Family Practice Residency Program of the West End Medical Center, all in Atlanta.

Curriculum. The curriculum includes both disciplinary and interdisciplinary courses with use of problem-solving methods, audiovisual teaching programs, and computer-assisted instruction. The humanities and social sciences also are integrated into the curriculum to preserve and enhance in the student an interest in a career in a primary care discipline.

Whether or not students receive the M.D. degree from the Morehouse School of Medicine or from another institution, an overall passing score on Part I of the NBME examinations is a prerequisite for entry into the third year. A letter grading system (A, B, C, D, F) is used. Electives in various subjects are arranged on an individual basis.

Requirements for Entrance. Applicants are expected to present a sound academic background with evidence of superior potential for the study of medicine. At least 90 semester hours or 135 quarter hours in the arts and sciences must be completed before enrollment. Specific course requirements are:

	Years
Biology	1
General or inorganic chemistry	1
Organic chemistry	1
Physics	1
College mathematics	1
English	1
Humanities and social sciences A minimum of 18 semester hours is required.	

Majors in science or nonscience fields are equally acceptable; however, the student must present evidence of competence in the premedical sciences.

The MCAT is required; it should be taken preferably in the spring of the junior year but definitely no later than the fall of the academic year in which the application is made.

Selection Factors. Applicants whose backgrounds suggest the likelihood of practicing medicine in medically underserved areas will receive special attention. The Admissions Committee seeks candidates who possess the necessary academic qualifications and equally important personal factors such as character, maturity, integrity, perseverance, and motivation. Qualified residents of the states of Alabama, Georgia, and New York (contractual agreements) will be given preferential consideration, but well qualified out-of-state applicants are encouraged to apply.

The School of Medicine participates in AMCAS. All students who meet the basic academic requirements as described above will receive a supplemental application from the Admissions Office. The supplemental application includes a biographical questionnaire and requires a personal statement and three recommendations, two of which must be from science faculty members. The completed application is evaluated according to a number of selection factors, including GPA, MCAT scores, strength of the faculty recommendations, and personal goals of the applicant. Selected students who are competitive in this phase of the evaluation process will be invited for interviews with members of the faculty of the School of Medicine. Interviews are by invitation only. Regional interviews may be arranged by the Admissions Office when requested.

Financial Aid. A limited amount of scholarship assistance is available through the Morehouse School of Medicine. However, all applicants are encouraged to utilize the many state and federal sources of financial assistance. These include the state loan agencies, the Armed Forces Health Professions Scholarship Program, and the National Health Service Corps Scholarship Program.

Timetable of Application and Acceptance for 1983-84 First-Year Class

School participates in AMCAS. See Chapter 4.

Filing of AMCAS application
  Earliest date: June 15, 1982
  Latest date: Dec. 15, 1982
School application fee to all applicants: $25
Acceptance notice to regular applicants
  Earliest date: Oct. 15, 1982
  Latest date: May 15, 1983
Does not have Early Decision Plan
Applicant's response to acceptance offer
  Maximum time: 2 weeks
Deposit to hold place in class (applied to tuition): $100, due within 2 weeks of offer
Deposit refundable prior to: June 15, 1983
Estimated number of new entrants: 40
Starting date: July 18, 1983

Expenses per Year for 1981-82 First-Year Class

Tuition: $7,000
Student fees: $1,720
Microscope rental available from school: $230
Total average figure for all other expenses: $7,750

Information on 1981-82 First-Year Class

Number of	*In-State*	*Out-of-State*	*Total*
Applicants*	292	1,598	1,880
New Entrants †	22	10	32

*14% were interviewed.

†100% were interviewed, took the MCAT, and had baccalaureate degrees.

University of Hawaii
John A. Burns School of Medicine

Dr. Terence A. Rogers, Dean
Dr. Benjamin B. C. Young, Acting Associate Dean
for Student Affairs
Martha Tsukiyama, Registrar

Address inquiries to:
Office of Student Affairs
University of Hawaii
John A. Burns School of Medicine
1960 East-West Road
Honolulu, Hawaii 96822
(808) 948-8300

General Information. The University of Hawaii John A. Burns School of Medicine is part of the College of Health Sciences and Social Welfare, which also includes schools of public health, nursing, and social work. The School of Medicine is based on the Manoa campus of the university in Honolulu and has some elements at nearby Leahi Hospital. It also has teaching facilities in 10 affiliated community hospitals throughout the state.

Curriculum. The basic medical sciences are taught in a largely integrated pattern during the first two years; about 30 percent of the two years is concurrently devoted to clinical work, including the principles of history-taking and physical diagnosis, clinical genetics, behavioral science, and community medicine. For some students the program of the first two years may be extended over three years, permitting more time for independent study or preparation of M.S. or Ph.D. degrees in the basic sciences.

The third year is composed of 42 weeks of required clerkships (medicine, surgery, obstetrics-gynecology, pediatrics, and psychiatry). The required clerkships must be completed in the third year. Thirty-six weeks of selectives and electives are required during the fourth year.

Special features of the program include: an emphasis on primary care medicine, tropical medicine, and cross-cultural psychiatry; clinical training in community hospitals (by full-time faculty); interdisciplinary training in community medicine together with students of public health, nursing, and social work; and opportunities for preceptorships in rural areas of the Hawaiian Islands and other areas of the Pacific.

A credit/no credit grading system is used along with individual evaluations by faculty of student performance on clinical rotations.

Requirements for Entrance. The MCAT, three years of college, and the completion of at least 90 credits are required. Specific semester hour requirements are flexible, but in the student's own best interests the following courses are required:

	Sem. hrs.
Biology or zoology	10
Including comparative anatomy with lab	
General chemistry	4-8
Organic chemistry	8
Physics	8
Mathematics (at least through precalculus)	
English	
Humanities	

Other courses that are strongly recommended but not required include: statistics, embryology, introductory genetics, foreign language, anthropology, physical chemistry, biochemistry, and microbiology.

Selection Factors. All applicants are considered without discrimination as to sex, race, creed, national origin, or handicap. The school admits 60 students to its freshman class each year. Selection depends upon the prospective medical student's character, scholarship, ideals, motivation, and aptitude. An evaluation of what the potential student might contribute to the health profession in the Pacific is an integral part of the selection process. All applicants are asked to explain why they are interested in obtaining their medical education at the University of Hawaii. Nonresident applicants (excluding those who apply through the school's affirmative action program or WICHE) are required to apply through the Early Decision Plan. For the limited number of applicants who reach a secondary screening level, interviews are arranged either on a regional basis or in Hawaii.

The minimum acceptable cumulative GPA is usually 3.2, with a somewhat higher average being required in science.

Except as permitted in unusual situations by the Admissions Committee, applications will not be accepted from students who are currently enrolled in a graduate degree program in the University of Hawaii College of Health Sciences and Social Welfare unless they will satisfactorily complete their degree program prior to the academic year for which they seek admission or will enroll in a joint M.D.-Ph.D. program already approved by the Ph.D. field of study.

Financial Aid. Financial status is not a factor in considering applicants for acceptance, and, although financial aid is limited, efforts are made to assist students in obtaining loans and scholarships whenever possible. Because of the federal source of loan funds, they are only available to U.S. citizens. Although, in general, students are discouraged from seeking outside employment, a few positions assisting in basic science laboratories are available to second-year students. Approximately 50 percent of the student body currently receive financial assistance. Applicants may contact the Student Affairs Office for further information.

Information for Minorities. The student body and faculty are cosmopolitan and include blacks, Caucasians, Chinese, Filipinos, Hawaiians, Japanese, Koreans, Micronesians, Samoans, and others.

Timetable of Application and Acceptance for 1983-84 First-Year Class

School participates in AMCAS. See Chapter 4.

Filing of AMCAS application
  Earliest date: June 15, 1982
  Latest date: Dec. 1, 1982
School application fee: none
Acceptance notice to regular applicants
  Earliest date: Dec. 15, 1982
  Latest date: March 31, 1983

Does have Early Decision Plan (EDP)
  Nonresidents must apply under EDP
  EDP application period: June 15-Aug. 1, 1982
  Applicants notified by: Oct. 1, 1982
Applicant's response to acceptance offer
  Maximum time: 2 weeks
Deposit to hold place in class: none
Estimated number of new entrants: 60
Starting date: July 5, 1983

Expenses per Year for 1981-82 First-Year Class

Tuition
  Resident: $700
  Nonresident: $1,750
Student fees: $50

School provides microscope ($70 deposit)
Total average figure for all other expenses:
  $6,987

Information on 1981-82 First-Year Class

Number of	*In-State*	*Out-of-State*	*Total*
Applicants*	212	1,267	1,479
New Entrants †	65	2	67

*15% were interviewed.

†100% were interviewed and took the MCAT; 94% had baccalaureate degrees.

University of Chicago Pritzker School of Medicine

Dr. Robert B. Uretz, Dean
Dr. Joseph Ceithaml, Dean of Students
Mary A. Mankowski, Admissions Secretary

Address inquiries to:
Office of the Dean of Students
University of Chicago
Pritzker School of Medicine
Room 20, Ricketts Building
5724 South Ellis Avenue
Chicago, Illinois 60637
(312) 947-6619

General Information. Established in 1927, the University of Chicago's medical school is distinctive in several respects. Located with its hospitals and basic science laboratories on the campus of the University of Chicago, it is an integral part of the Division of the Biological Sciences. Medical students receive their clinical training in the University Hospitals and Clinics, 11 interconnected units with a total bed capacity of 721. Students are also eligible to do clinical work at the Michael Reese Hospital and Medical Center (1,008 beds), which is affiliated with the Pritzker School of Medicine. Moreover, the University of Chicago Pritzker School of Medicine has a predominantly full-time clinical teaching staff, and the clinical teachers devote all of their time to teaching, to the care of patients, and to medical research. This constant presence of the clinical teaching staff under the full-time plan provides unusual opportunities for intensive bedside training and for development of close teacher-student relationships. To maintain a high ratio of teachers to students, each entering class is limited to 104 students.

Curriculum. The medical school provides a program of studies designed to prepare its graduates for distinguished careers in medicine. Emphasis is placed upon the scientific basis of medicine and on skillful application of scientific principles to human problems. Those who manifest interest and aptitude in research are encouraged in this direction and afforded opportunities and facilities to engage in investigation under proper supervision and sponsorship. The medical school offers M.D.-Ph.D. programs of study. Usually these programs require six to seven calendar years of study and combine the breadth of an excellent medical education with the depth of a rigorous graduate research program.

Each of the first two years of the regular four-year medical program of studies consists of three academic quarters primarily of required preclinical and chiefly integrated courses. The first year also includes one unit of electives, and the second year has three. The third year consists of four quarters of required clinical clerkships. The fourth year is completely elective and constitutes a culminating year of medical studies planned in accordance with each student's individual academic needs and career goals. Research opportunities may be arranged during the elective periods in the regular program of medical studies or may be scheduled in continuous periods of a year or more intervening between regular terms of medical studies.

Requirements for Entrance. The MCAT and a minimum of three years of college are required, although a baccalaureate degree or four years are preferable. Prospective medical students must have a good foundation in general education, and, in addition, they must also fulfill a minimum number of specific science prerequisites that provide the scientific concepts and information upon which the medical studies are based. The specific science requirements for admission are:

	Sem. hrs.
Biology Including at least 8 semester hours with lab.	12
Chemistry Including general and aliphatic and aromatic organic chemistry	16
Physics (with lab)	8

Other required college preparations must include studies in English composition, mathematics, social sciences, and humanities.

Selection Factors. Applicants are selected by the Committee on Admissions solely on the basis of their ability, achievement, personality, character, and motivation. The medical school is interested in those applicants with a broad educational background. It strives to provide a high caliber of medical education so that its graduates are well prepared to assume the varied responsibilities of a physician.

The medical school has no residence restrictions, but about 40 percent of the entering class comes from the state of Illinois.

Students in the 1981 entering class had the following academic profile: *average GPAs: science*, 3.76; *nonscience*, 3.70.

Whenever it seems desirable, arrangements are made for applicants to have personal interviews. Such interviews are arranged by the Committee on Admissions and are not a responsibility of the applicant.

Financial Aid. Tuition awards are available to members of all four medical classes; however, a larger proportion of upperclassmen receive awards than entering freshmen. Entering medical students interested in applying for tuition aid may do so only after receiving notification of acceptance. Interest-free and low interest loans are also available for needy students. Every student applying for any financial aid is required to provide a GAPSFAS needs analysis. (See Chapter 6 for details.)

Because of the rigorous nature of the medical program of studies, part-time employment during the school year is not recommended to medical students.

Information for Minorities. Applications are welcome from minority group students. The program of medical studies for minority group students is identical to that for all other medical students. Financial aid, in the form of scholarships and interest-free loans, is available to minority group students and is awarded on the basis of need.

Minority group students wishing further information may write to Dr. Ernest Mhoon, assistant dean of students for minority affairs, in the Office of the Dean of Students.

Timetable of Application and Acceptance for 1983-84 First-Year Class

School participates in AMCAS. See Chapter 4.

Filing of AMCAS application
  Earliest date: June 15, 1982
  Latest date: Nov. 15, 1982
School application fee to all applicants: $25
Acceptance notice to regular applicants
  Earliest date. Nov. 1, 1982
  Latest date: April 15, 1983
Does have Early Decision Plan (EDP)
  EDP application period: June 15-Aug. 1, 1982
  Applicants notified by: Oct. 1, 1982
Applicant's response to acceptance offer
  Maximum time: 4 weeks
Deposit to hold place in class (applied to tuition): $50, due within 4 weeks of offer
Deposit refundable prior to: Sept. 21, 1983
Estimated number of new entrants: 104
Starting date: Sept. 21, 1983

Expenses per Year for 1981-82 First-Year Class

Tuition: $6,774
Student fees: $195
Microscope rental available from school: $40 per quarter
Total average figure for all other expenses: $4,900

Information on 1981-82 First-Year Class

Number of	*In-State*	*Out-of-State*	*Total*
Applicants*	716	2,500	3,216
New Entrants †	44	60	104

*14% were interviewed.

†100% were interviewed and took the MCAT; 97% had baccalaureate degrees.

University of Health Sciences
The Chicago Medical School

Dr. Marshall A. Falk, Dean
Milton R. Geerdes, Director of Admissions and Records
LaVerne Urich, Director of Financial Aid

Address inquiries to:
Office of Admissions
University of Health Sciences
The Chicago Medical School
3333 Green Bay Road
North Chicago, Illinois 60064
(312) 578-3206

General Information. The Chicago Medical School, founded in 1912, is part of the University of Health Sciences, which is located in North Chicago, Illinois. It is a private, nonsectarian, coeducational institution chartered by the state of Illinois and administered by a board of trustees. The Chicago Medical School is the core component of three allied units. The other units are the School of Graduate and Postdoctoral Studies, which grants degrees at the master's and doctorate levels in the major basic science areas, and the School of Related Health Sciences, which currently offers programs in physical therapy and medical technology leading to baccalaureate degrees. Clinical training at various levels is provided at Cook County Hospital, North Chicago Veterans Administration Hospital, St. Mary of Nazareth Hospital, Jackson Park Hospital, Highland Park Hospital, Oak Forest Hospital, and Great Lakes Naval Medical Center.

Curriculum. In order to meet the changing need of the future physician, the content of the curriculum is under continuing evaluation and revision. The curriculum offers students a strong foundation in both the science and practice of medicine by providing, from the first year, an interface between basic science and clinical science.

Currently, the four-year curriculum consists of 13 quarters. Of the six quarters of basic science, the first three are devoted primarily to the study of the structure and function of the human body. Concurrently, students interview hospitalized patients to learn the socioeconomic and psychological aspects of illness, health care delivery, and community medicine. Public health, epidemiology, and biostatistics are offered in didactic sessions. The last three quarters are devoted to the study of behavioral sciences as well as disease etiology, processes, therapy, and prevention. Concomitantly, there is extensive training in physical diagnosis, medical interviewing, and history-writing. Students are required to pass Part I of the NBME examinations as well as all courses during the first and second years before beginning clinical clerkships. Of the last seven quarters, 55 weeks are devoted to clinical rotations and 26 weeks are spent in clinical electives and/or basic science courses. The required clinical clerkships include medicine, surgery, obstetrics/gynecology, psychiatry, neurology, pediatrics, and family medicine. The elective period gives students an opportunity, through both intramural and extramural experiences, to explore and strengthen their personal career interests.

All students are required to complete the first two years within three academic years; clinical clerkships and electives are to be completed within two and one-half years. Thus, students must complete their education at the Chicago Medical School in no more than five and one-half years, unless enrolled in a combined degree program. In addition, students are required to pass Part II of the NBME examinations prior to graduation.

Combined M.D./graduate school degree programs are available for students interested in biomedical or clinical research. These programs provide an opportunity for a limited number of students to pursue a program of individualized course work and research leading to the M.D. plus an M.S. or Ph.D. degree. Applications and additional information are available from the director, Combined M.D./Graduate School Programs.

Requirements for Entrance. The MCAT and three years of college (minimum of 135 quarter hours) are required; the baccalaureate degree is preferred. The college work must include:

	Years
Biology or zoology	1
Inorganic chemistry	1
Organic chemistry	1
General physics	1

Science courses beyond those required will be helpful in preparing for study in medical school; however, the applicant is expected to have a broad foundation in general education, and any major field of interest is acceptable.

Selection Factors. Students are selected on the basis of various criteria, including: scholarship, character, motivation, and social and educational background without regard to race, creed, sex, handicap, age, or national origin. The student's potential for the study and practice of medicine will be evaluated on the basis of academic achievement, MCAT results, personal appraisals by a preprofessional advisory committee or individual instructors, and a personal interview, if requested by the Student Admissions Committee.

Successful applicants for the August 1981 entering class had the following credentials: *mean GPA*, 3.4; *residence*, 41 percent from Illinois, with the remainder from 13 other states; *undergraduate major*, 50 percent in biology or chemistry, with the remainder from a variety of fields. Approximately 26 percent of those seriously considered were matriculated.

Applicants working on advanced degrees will be considered on the same basis as all other applicants. Applicants who have not been accepted previously and who make reapplication will be treated on the same basis as first-time applicants.

Financial Aid. Limited university-administered financial aid is available to students who are unable to meet college costs through family resources and major financial aid programs. Awards are made to eligible students based on the availability of funds and demonstrated financial need (expenses minus resources). The university utilizes GAPSFAS to uniformly measure student resources. (See Chapter 6 for details.) Approximately 12 percent of the medical students receive financial assistance through university-administered funds.

Information for Minorities. The school encourages applications from qualified members of groups currently underrepresented in U.S. medical schools. Application fees may be defrayed for financially disadvantaged students.

Timetable of Application and Acceptance for 1983-84 First-Year Class

School participates in AMCAS. See Chapter 4.

Filing of AMCAS application
  Earliest date: June 15, 1982
  Latest date: Nov. 15, 1982
School application fee to all applicants: $55
Acceptance notice to regular applicants
  Earliest date: Nov. 15, 1982
  Latest date: July 1, 1983
Does have Early Decision Plan (EDP)
  EDP application period: June 15-Aug. 1, 1982
  Applicants notified by: Oct. 1, 1982
Applicant's response to acceptance offer
  Maximum time: 2 weeks
Deposit to hold place in class (applied to tuition): $100, due within 2 weeks of offer
Deposit refundable prior to: June 15, 1983
Estimated number of new entrants: 160
Starting date: July 25, 1983

Expenses per Year for 1981-82 First-Year Class

Tuition: $13,225
Student fees: $295
Student must provide microscope
Total average figure for all other expenses: $6,995

Information on 1981-82 First-Year Class

Number of	*In-State*	*Out-of-State*	*Total*
Applicants*	1,181	4,464	5,645
New Entrants †	60	85	145

*10% were interviewed.

†100% were interviewed, took the MCAT, and had baccalaureate degrees.

University of Illinois College of Medicine

Dr. Marten M. Kernis, Acting Executive Dean
Dr. Howard M. Bers, Associate Dean for Student Affairs
Dr. Christine M. Nowacki, Director of Admissions and Records

Address inquiries to:
Office of Admissions and Records
Room 204
University of Illinois
College of Medicine
1737 West Polk Street
Chicago, Illinois 60612
(312) 996-7690

General Information. The College of Medicine was founded in 1881 as the College of Physicians and Surgeons of Chicago, and in 1900 its name was changed to the University of Illinois College of Medicine. The College of Medicine programs are conducted through six semi-autonomous schools. A school of basic medical sciences and the Abraham Lincoln School of Medicine are located at the Chicago Medical Center campus of the university. The Urbana-Champaign campus of the university furnishes the setting for another school of basic medical sciences and the three-year School of Clinical Medicine. The Peoria School of Medicine includes facilities in each of the hospitals of the Peoria community as well as a modern downtown campus. The Rockford School of Medicine has a campus in Rockford and conducts programs in each of the Rockford hospitals and in several nearby smaller communities.

Curriculum. Multiple curricular pathways are available in the College of Medicine. Students will enter either the School of Basic Medical Sciences at the Medical Center, Chicago, or the School of Basic Medical Sciences at Urbana-Champaign for one year of instruction. Students will proceed from the schools of basic sciences into one of the four clinical schools at Chicago, Urbana-Champaign, Peoria, or Rockford. Each three-year clinical curriculum presents techniques and information necessary for examination and care for the patient, and each provides supervised experience in a wide variety of clinical settings under direction of the faculty of the respective school. Through college-level faculty committees consisting of representation from all schools, the standards of quality are regularly evaluated and are maintained. Such committees have particular responsibility for admissions, instruction, student appraisal, and student promotion.

The university's Board of Trustees was considering a plan to reorganize the structure and curriculum, and the school should be contacted directly for details.

Requirements for Entrance. The College of Medicine endeavors to select applicants who in the judgment of the Committee on Admissions demonstrate best the academic achievement, emotional stability, maturity, integrity, and motivation adjudged necessary for successful study and practice of medicine. The committee is interested in evidence of the applicant's capacity for mature and independent scholarship, and it discourages rigid patterns of course work. The committee will consider the quality of work of each applicant in all areas, the breadth of education, achievement in advanced projects, and work experience that demonstrates the applicant's imagination, initiative, and creativity, all without regard to race, creed, sex, religion, national origin, age, handicap, or status as a disabled veteran or veteran of the Vietnam era.

A student seeking admission to the College of Medicine may elect any major field of interest. Biology, chemistry (through organic), physics or biophysics, and behavioral science will be particularly helpful in preparing for study in the college. However, the undergraduate major may be chosen from the humanities, fine arts, or behavioral, biological, or physical sciences. Mathematics through calculus is especially recommended for those anticipating advanced work in basic or clinical research.

Applicants must receive the baccalaureate degree prior to matriculation in the College of Medicine.

All candidates must take the MCAT within three years prior to application and no later than the fall test period of the year in which application is made. The Committee on Admissions uses in its evaluation the most recent MCAT scores earned.

Letters of recommendation and a health report are required of all applicants.

An interview of selected candidates will be required.

Selection Factors. All applicants apply to the Committee on Admissions, and accepted applicants are given their choices of a basic science and a clinical school insofar as places permit. Prospective and accepted students are provided with detailed information to help in their selection of schools.

Selection of students is based upon a critical evaluation of all available data on each applicant and upon the changing needs of society. The Committee on Admissions gives preference to candidates who: (1) are Illinois residents, (2) possess a GPA of B or better, (3) have attained an MCAT score above the national mean, and (4) are in good health. Candidates whose formal education has been interrupted are reviewed with respect to their potential contribution to the practice of medicine and to their competitive status with other applicants.

Financial Aid. Entering students may apply through the Office of Student Affairs for loan funds and grant-in-aid scholarship assistance based on need. Awards and scholarships to meet proven financial need are awarded each year to students from all classes.

Information for Minority and Rural Candidates. To meet the changing needs of society, the College of Medicine has developed programs to encourage applications from qualified individuals from medically underserved areas of Illinois. The college maintains a staff of qualified individuals to provide guidance and counseling to motivated students from minority ethnic groups that are underrepresented within the physician population of the state of Illinois (black Americans, individuals of Hispanic origin, American Indians) and resident candidates whose backgrounds indicate potential for rural Illinois practice. The Committee on Admissions reviews all applications, and students are accepted on the basis of their potential for successfully meeting all college standards leading to the M.D. degree.

Timetable of Application and Acceptance for 1983-84 First-Year Class

School participates in AMCAS. See Chapter 4.

Filing of AMCAS application
  Earliest date: June 15, 1982
  Latest date: Dec. 1, 1982
School application fee to all applicants: $20
Acceptance notice to regular applicants
  Earliest date: Nov. 15, 1982
  Latest date: May 1, 1983
Does have Early Decision Plan (EDP)
  EDP application period: June 15-Aug. 1, 1982
  Applicants notified by: Oct. 1, 1982

Applicant's response to acceptance offer
  Maximum time: 2 weeks
Deposit to hold place in class (applied to tuition): $100, due within 2 weeks of offer
Deposit refundable prior to: June 15, 1983; $50 refundable thereafter
Estimated number of new entrants: 325
Starting date: Aug. 1983

Expenses per Year for 1981-82 First-Year Class

Tuition
  Resident: $1,833
  Nonresident: $5,499
Student fees: $582

Microscope rental available from school: $140
Total average figure for all other expenses: $5,049

Information on 1981-82 First-Year Class

Number of	*In-State*	*Out-of-State*	*Total*
Applicants*	1,634	687	2,321
New Entrants †	316	9	325

*38% were interviewed.

†100% were interviewed, took the MCAT, and had baccalaureate degrees.

Loyola University of Chicago
Stritch School of Medicine

Dr. Clarence N. Peiss, Dean
Dr. Roland R. Cross, Associate Dean for Admissions
Dr. Daniel A. Burr, Director of Admissions

Address inquiries to:
Director of Admissions
Room 1614
Loyola University of Chicago
Stritch School of Medicine
2160 South First Avenue
Maywood, Illinois 60153
(312) 531-3229

General Information. The Stritch School of Medicine, an integral part of Loyola University, was established in 1915 through acquisition of the Illinois Medical School and the Bennett and Reliance medical colleges. It has occupied its present 300-acre site in the western suburbs since 1968. Loyola has become one of the most extensive health care facilities in the Chicago area, and the Loyola University Medical Center also houses the schools of dentistry, nursing, and graduate life sciences. Clinical training is carried out in the 531-bed McGaw Hospital as well as the 1,500-bed Hines Veterans Hospital, the state-operated Madden Mental Health Center, and several community hospitals. In addition, a substantial number of students elect some work during their final year in other academic medical centers throughout the United States and the world.

Curriculum. Loyola-Stritch offers a four-year curriculum leading to the M.D. degree. The personal and intellectual development of each student is promoted through close contact with members of the basic science and clinical faculty. Students are exposed to all features of a large medical center, and they learn in an atmosphere of cooperation and mutual assistance. The first three semesters are devoted primarily to the basic sciences, taught in traditional lecture and laboratory formats. Special features of the first two years include elective courses in medical humanities and the opportunity to engage in research during both the academic year and the summer vacation. The fourth semester consists of courses in community medicine, biostatistics, organ systems, and physical diagnosis. This semester anticipates the third and fourth years of training, which are organized into clinical clerkships of three months or fractions thereof. The core curriculum includes medicine (24 weeks), surgery (12 weeks), pediatrics (6 weeks), psychiatry (6 weeks), and obstetrics and gynecology (8 weeks). A total of 38 weeks is available for electives, of which 32 weeks are required. Through these electives, students can prepare for careers in medicine suited to individual interests and goals.

Programs leading to combined M.D.-M.S. and M.D.-Ph.D. degrees can be designed in cooperation with the Graduate School.

An honors, high pass, pass, fail grading system is used in the medical school.

Requirements for Entrance. The MCAT, preferably taken in the spring but no later than the fall of the year of application, and a baccalaureate degree are required for entrance. The following sequences are required:

	Sem. hrs.
Biology (with lab)	8
Inorganic chemistry (with lab)	8
Organic chemistry (with lab)	8
Physics (with lab)	8

It is strongly recommended that applicants have some courses in the behavioral sciences, English, and mathematics.

Suitable major areas include the social sciences and humanities as well as the biological or physical sciences. Elective choices are best made on the basis of a student's interest and talent.

Selection Factors. All applications will be initially screened for academic competence. Candidates must possess at least a 2.5 undergraduate GPA and/or MCAT scores above 5. Loyola-Stritch receives approximately 5,000 applications per year, and because of the competitiveness of the applicant pool, it is strongly advised that out-of-state residents with a GPA below 3.0 and/or MCAT scores below 8 do not consider applying unless extraordinary circumstances warrant a review. Selection is based on several factors, including the GPA, both year-by-year and cumulative; MCAT scores; the difficulty of the educational program; the degree of balance in the education; the need to work; and social and cultural backgrounds which may affect the record. While Loyola-Stritch is committed to accepting the major portion of the class from among Illinois residents, out-of-state applications are welcome.

Only a small percentage of all applicants are invited to interview. In addition to academic criteria, the Admissions Committee seeks to evaluate motivation, responsibility, sincerity, ability to communicate, problem-solving ability; and human interaction ability.

Loyola-Stritch does not discriminate on the basis of race, sex, creed, national origin, age, or handicap. Members of disadvantaged minority groups are encouraged to apply. Heterogeneity is viewed as a positive value in the selection and educational process.

Students applying for a third time will not be considered, although second applications will be seriously considered. Applicants with D.O. or D.D.S. degrees or those who have attended a foreign medical school are not eligible for first-year acceptance; they may apply for advanced standing if spaces are available. Applicants enrolled in any advanced degree program must expect to complete their degree prior to matriculation at Loyola-Stritch. All applicants must be U.S. citizens or hold a permanent (not student) visa.

Loyola-Stritch recommends use of the Early Decision Plan (EDP) for candidates with strong academic credentials. Applicants with unusual backgrounds who can demonstrate their academic competence are also urged to use the EDP. Those planning to utilize the EDP should submit a copy of their AMCAS application directly to the Admissions Office as soon after June 15 as possible.

Financial Aid. The Financial Aid Office assists students in meeting the costs of their medical education. Accepted students may apply for scholarships and loans once they have received notice of their acceptance. Student aid will be primarily in the form of loans, since scholarships are limited. A number of matriculated students, especially during the first and second years, have part-time employment. Part-time jobs are available at Loyola University Medical Center during the academic year and during the intervening summer vacations. The ultimate responsibility for obtaining financial aid rests with the students and their families. Applicants are urged to give serious consideration to the financing of their medical education prior to matriculation. Accepted students should consult with their college financial aid officer and the Financial Aid Office at Loyola-Stritch as soon as they receive their letter of acceptance.

Timetable of Application and Acceptance for 1983-84 First-Year Class

School participates in AMCAS. See Chapter 4.

Filing of AMCAS application
  Earliest date: June 15, 1982
  Latest date: Dec. 1, 1982
School application fee after screening: $25
Acceptance notice to regular applicants
  Earliest date: Oct. 15, 1982
  Latest date: varies

Does have Early Decision Plan (EDP)
  EDP application period: June 15-Aug. 1, 1982
  Applicants notified by: Oct. 1, 1982
Applicant's response to acceptance offer
  Maximum time: 2 weeks
Deposit to hold place in class: none
Estimated number of new entrants: 130
Starting date: Aug. 1, 1983

Expenses per Year for 1981-82 First-Year Class

Tuition: $7,960
Student fees: $103

Student must provide microscope
Total average figure for all other expenses: $8,000

Information on 1981-82 First-Year Class

Number of	*In-State*	*Out-of-State*	*Total*
Applicants*	1,398	3,587	4,985
New Entrants†	83	47	130

*10% were interviewed.
†100% were interviewed, took the MCAT, and had baccalaureate degrees.

Northwestern University Medical School

Dr. James E. Eckenhoff, Dean
Dr. Charles A. Berry, Associate Dean for Admissions
Nancy Scoma, Administrative Manager for Student Affairs and Financial Aid Officer

Address inquiries to:
Northwestern University Medical School
303 East Chicago Avenue
Chicago, Illinois 60611
(312) 649-8206

General Information. The Medical School, founded in 1859, is part of the McGaw Medical Center, located on the Chicago campus of Northwestern University along the shore of Lake Michigan. Its facilities include the Ward Building, the Morton Medical Research Building, and the Searle Building. The major affiliated hospitals within McGaw Medical Center include Northwestern Memorial Hospital, Children's Memorial Hospital, Veterans Administration Lakeside Hospital, Evanston Hospital, and the Rehabilitation Institute of Chicago. Ambulatory care is provided by the Northwestern Foundation for Research and Education. On-campus housing is served by Abbott Hall and Lake Shore Hall.

Curriculum. The stated goal of Northwestern University Medical School is to graduate men and women well grounded clinically and sufficiently informed scientifically to grasp fundamental data related to disease in man. They should know how these data are generated and be able to convert them to usable facts in the office or at the bedside.

To meet this educational goal, the first two years are occupied with the study of basic and clinical sciences in a didactic setting. The third year of study is devoted to hospital clerkships in medicine, surgery, pediatrics, obstetrics, gynecology, neurology, and psychiatry. The final year is designated as a career development year. In consultation with a clinical faculty adviser, students enroll for an individualized curriculum designed to meet their particular educational needs and professional goals.

A combined M.D.-Ph.D. program is available. The program involves registration in the Graduate School as well as in the Medical School. It includes study for both the Ph.D. and M.D. degrees and is intended to prepare a student for a career in academic medicine.

Honors Program. A special Honors Program in Medical Education is offered leading to the M.D. degree after two years of undergraduate study on the Evanston campus and four years at Northwestern University Medical School. A seven-year program leading to the B.S. degree in engineering and the M.D. degree is also offered. A combined total of about 60 places are available in the programs. Application is limited to highly talented high school seniors. Inquiry about these programs should be directed to: Office of Admission, Northwestern University, Evanston, Illinois 60201.

Requirements for Entrance. The MCAT and 135 quarter hours (90 semester hours) of undergraduate course work from an accredited college are required. U.S. citizens as well as foreign nationals should plan on taking their course work at an undergraduate institution in the United States or Canada. The following subjects must be included:

	Years
Biology	1
General chemistry	1
Organic chemistry	1
General physics	1
English	1

The Medical School does not place emphasis on any major field, nor does it make specific recommendations of courses to be taken other than those mentioned above.

Candidates are strongly urged to take the MCAT and to meet all premedical course requirements prior to submitting an application for admission. Preference will be given to applicants who will have received a bachelor's degree prior to enrollment at Northwestern University Medical School.

Selection Factors. Of each entering class of 170 students, 60 students are admitted from the Honors Program described above. Approximately 80 places per year are open to nonresident students: 30 of the nonresident places are filled with students from the Honors Program, and 50 places are available for regular out-of-state applicants.

All completed applications are reviewed and evaluated. Reviewers look for evidence within the application of emotional maturity, motivation, past achievement, and character as well as academic excellence. A premium is placed upon breadth of the academic program and the life experiences of the individual. Interviews are required of all students considered seriously for acceptance; interview invitations are issued solely upon the request of the Admissions Committee and are conducted at the Chicago campus of the school.

The class entering in 1981 was characterized by a mean GPA of 3.61, MCAT scores averaging about the 75th percentile nationally, a wide age range, and a women to men ratio of 1:2.

Northwestern University does not discriminate on the basis of race, religion, national origin, sex, age, or handicap in its educational programs or activities in accordance with civil rights legislation.

Financial Aid. Over 60 percent of the student body have received financial aid. To the extent that funds remain available to the Medical School, the Financial Aid Committee will continue to allocate scholarships and loans.

Once admitted, students may write to the Office of Student Affairs for financial aid applications. The ability of prospective students to pay for their education has no bearing on their acceptance to the Medical School.

Information for Disadvantaged Applicants. Applicants from disadvantaged cultural, family, or socioeconomic backgrounds will receive consideration in terms of current abilities and medical and societal needs that will be fulfilled by their acceptance.

Timetable of Application and Acceptance for 1983-84 First-Year Class

School participates in AMCAS. See Chapter 4.

Filing of AMCAS application
  Earliest date: June 15, 1982
  Latest date: Nov. 15, 1982
School application fee to all applicants: $35
Acceptance notice to regular applicants
  Earliest date: Nov. 15, 1982
  Latest date: varies

Does have Early Decision Plan (EDP)
  EDP application period: June 15-Aug. 1, 1982
  Applicants notified by: Oct. 1, 1982
Applicant's response to acceptance offer
  Maximum time: 2 weeks
Deposit to hold place in class: none
Estimated number of new entrants: 170
Starting date: Sept. 26, 1983

Expenses per Year for 1981-82 First-Year Class

Tuition: $9,990
Student fees: $110
Microscope rental available from school: $72
Total average figure for all other expenses: $5,100

Information on 1981-82 First-Year Class

Number of	*In-State*	*Out-of-State*	*Total*
Applicants*	1,171	5,324	6,495
New Entrants †	84	87	171

*6% were interviewed.

†100% were interviewed and took the MCAT; 99% had baccalaureate degrees.

Rush Medical College of Rush University

Dr. Henry P. Russe, Dean
Dr. Gerald S. Gotterer, Associate Dean
for Medical Student Programs
Carol S. Silva, Director, Student Financial Aid

Address inquiries to:
Office of Admissions
5th Floor, Academic Facility
Rush Medical College of Rush University
600 South Paulina Street
Chicago, Illinois 60612
(312) 942-6913

General Information. Rush Medical College, founded in 1837, is the oldest component of Rush University. The original medical college graduated over 10,000 physicians before closing in 1942 and has graduated an additional 782 since reopening in 1971. Rush University, which includes the colleges of nursing, medicine, and health sciences, was incorporated in 1972 and is now housed in the new Academic Facility. Affiliations with Knox College, Galesburg, Illinois, and Grinnell College, Grinnell, Iowa, provide first-year basic science curricula and community hospital experiences to a select group of Rush Medical College students.

Through the academic and health care network of more than a dozen affiliated hospitals and a neighborhood health center, Rush-Presbyterian-St. Luke's Medical Center serves 1.5 to 2 million people. Thus, the students of Rush University train in urban, suburban, and rural areas in a variety of socioeconomic and ethnic settings.

Curriculum. Rush Medical College provides a firm background in the science of medicine and a balanced introduction to the practice of clinical medicine in a four-year curriculum designed to provide educational flexibility. A major goal of the college and its faculty is to create an environment that fosters commitments to competent and compassionate patient care and to attitudes of inquiry and lifelong learning.

Undergraduate medical education is presented in four years. The first year introduces students to the basic medical sciences. The second year expands the basic science background with the study of pathological processes and therapeutics. In addition, clinical skills are introduced and developed in preparation for the clinical years. The third and fourth years consist of required basic clerkships in surgery, internal medicine, obstetrics and gynecology, pediatrics, psychiatry, neurology, and family practice. The remaining time is spent in electives.

Rush University offers qualified students who aspire to careers in academic medicine and research the opportunity to enroll in a combined M.D.-Ph.D. program. Ph.D. programs are offered in the Graduate College in the following areas: anatomical sciences, immunology, pharmacology, and physiology. Students in concurrent programs must meet the full conditions and requirements of the Graduate College, Graduate Division, and the Medical College.

Upon entering Rush Medical College, each student is assigned an academic adviser to help define goals, aid in the selection of courses of study, provide other counseling, and serve as role model and friend. This adviser will continue with the student as the student progresses through school.

Requirements for Entrance. The MCAT and 90 semester hours of undergraduate work in an accredited college are required. College work must include the equivalent of two semesters in each of the following science areas: biological sciences which emphasize zoology; inorganic chemistry; organic chemistry (one semester of biochemistry may be substituted for the second semester of organic); and general physics.

Sound preparation in the basic sciences is essential, but a broad background in the humanities and wide exposure to people and their problems are equally necessary.

Applicants are strongly urged to take the MCAT in the spring of the year of application; however, those who take it in the fall will also be considered.

Selection Factors. Students who enter the Rush Medical College program are carefully selected for their intellectual and social maturity and represent a wide variety of educational and social backgrounds. Problem-solving skills, critical judgment, and the capability to pursue independent study are considered important. Majors in science and majors in other areas with demonstrated excellence in the required science courses are considered equally appropriate to a medical education at Rush Medical College. The Committee on Admissions looks for objective evidence that the applicant will be able to handle the academic demands of the medical curriculum. In evaluating academic achievement, the committee does consider factors such as the degree of difficulty of the program, the need to work, social and cultural backgrounds, and other factors that may affect the record. In the nonacademic realm, maturity, a balanced education, personal integrity, and motivational factors are considered essential determinants.

Undergraduate academic achievement, recommendations of premedical committees and/or undergraduate faculty, performance on the MCAT, and personal interviews (which are requested of those applicants who are considered competitive candidates by the Committee on Admissions) are considered in the evaluation of applicants. Although Rush Medical College is committed to accepting the major portion of its class from among residents of the state of Illinois, strong applications from residents of other states are encouraged. The average GPA and MCAT scores approximate those of nationally accepted applicants. All applicants are considered without regard to sex, religion, race, age, handicap, or national origin. Applicants from disadvantaged minority groups underrepresented in the medical profession are encouraged to apply.

Financial Aid. Accepted students will be sent financial aid information. Low interest loans and a limited amount of scholarship aid are awarded on the basis of financial need.

Timetable of Application and Acceptance for 1983-84 First-Year Class

School participates in AMCAS. See Chapter 4.

Filing of AMCAS application
  Earliest date: June 15, 1982
  Latest date: Nov. 15, 1982
School application fee to all applicants: $25
Acceptance notice to regular applicants
  Earliest date: Oct. 15, 1982
  Latest date: varies
Does have Early Decision Plan (EDP)
  EDP application period: June 15-Aug. 1, 1982
  Applicants notified by: Oct. 1, 1982
Applicant's response to acceptance offer
  Maximum time: 2 weeks
Deposit to hold place in class (applied to tuition): $100, due June 15, 1983
Deposit refundable prior to: June 15, 1983
Estimated number of new entrants: 120
Starting date: Sept. 6, 1983

Expenses per Year for 1981-82 First-Year Class

Tuition: $8,775
Student fees: $110
School provides microscope without charge
Total average figure for all other expenses: $5,560

Information on 1981-82 First-Year Class

Number of	*In-State*	*Out-of-State*	*Total*
Applicants*	1,410	1,417	2,827
New Entrants †	105	15	120

*19% were interviewed.
†100% were interviewed and took the MCAT; 97% had baccalaureate degrees.

Southern Illinois University
School of Medicine

Dr. Richard H. Moy, Dean and Provost
Deane R. Doolen, Assistant Dean for Student Affairs,
Admissions, and Financial Aid
Gerry R. Schermerhorn, Director of Admissions

Address inquiries to:
Office of Student Affairs
Southern Illinois University
School of Medicine
P.O. Box 3926
Springfield, Illinois 62708
(217) 782-2860

General Information. Southern Illinois University School of Medicine was established in 1969 and graduated its first class in 1975. Students spend the first 12 months of the program at the medical education facilities on the Carbondale campus and the remaining three years at the Medical Center in Springfield. This split campus arrangement allows the School of Medicine to maximize the existing resources of one of the largest universities in the United States and the long-established and excellent clinical facilities in Springfield, including Memorial and St. John's hospitals.

Curriculum. The first-year program is designed to ensure mastery of those sciences basic to medicine, including anatomy, physiology, biochemistry, and behavioral science. To enhance the value of the learning experience, the curriculum content is organized in an integrated study of organ systems. Significant input from relevant clinical disciplines results in a learning experience that demonstrates to the student the interrelationship of studies in the basic sciences and clinical medicine. In addition to the traditional basic sciences, the student also studies medical sociology, health care systems, and the history and philosophy of medicine.

The second-year program, which is the first year in Springfield, begins with a recycle of the organ systems, this time in the context of pathology, emphasizing disease processes in actual patients. This is combined with clinical medicine, whereby the student becomes competent in the art of history-taking, physical examination, medical record-keeping, and development of an orderly method of evaluating clinical problems. Pharmacology, microbiology/immunology, and radiology are also taught at this time using the same organ system sequence as pathology. Seven required clerkships representing the major clinical disciplines comprise the third year. Thirty-two weeks are available in the fourth year for electives.

Requirements for Entrance. The MCAT and a minimum of 90 semester hours of undergraduate work in an accredited degree-granting college or university are required. Applicants are expected to have a good foundation in the natural sciences, social sciences, and humanities and to demonstrate facility in writing and speaking the English language.

To perform well on the MCAT, it is advisable to have had a minimum of two years of college chemistry (including organic), one year of physics, one year of biological or life sciences, and mathematics through calculus.

Selection Factors. Admission is restricted to legal residents of Illinois who intend to practice medicine in Illinois. To be competitive, applicants should present credentials equivalent to better than a B average and a minimum MCAT science problems score in the 60th percentile. Although exceptions will be made, in general, preference will be given to those applicants who will have achieved a baccalaureate degree by the time of matriculation in medical school and who are established residents of central or southern Illinois. Preference will be given to applicants who have sufficient recent academic activity to demonstrate the potential for successful completion of the rigorous educational program in medical school. Although the Admissions Committee establishes no quotas, an effort is made to recruit qualified applicants from groups that have been underrepresented in the medical profession. Applicants are selected for interview according to their ability to meet the selection factors and to identify with the purpose of the School of Medicine, which is to assist the citizens of central and southern Illinois in meeting their present and future health care needs. Selected applicants are interviewed in either Springfield or Carbondale, and an interview is a prerequisite to acceptance.

The 1981 entering class had the following characteristics: *undergraduate cumula-*

tive GPA, 3.39; *sex*, 26 women; *minorities*, 9 students; *degrees*, 18 graduate students, 54 baccalaureate degrees; *residence*, all Illinois residents; *overall acceptance rate*, 501 applicants were seriously considered from 1,263 applications to obtain an entering class of 72 students.

Southern Illinois University School of Medicine does not discriminate on the basis of race, sex, religion, handicap, or national or ethnic origin in administration of its educational policies admissions policies, scholarship and loan programs, and other school administered programs.

Financial Aid. The School of Medicine realizes that not all students and their parents are financially able to pay for the cost of a medical education. Financial assistance is made available to all students demonstrating financial need.

Only a limited number of scholarships are available. Most financial need will be met by a combination of loan funds, such as the Illinois Guaranteed Student Loan, the Health Professions Student Loan, and the National Direct Student Loan.

Information for Minorities. The School of Medicine sponsors the Medical Education Preparatory Program (MEDPREP) for minority and disadvantaged students who are legal residents of Illinois. MEDPREP is a non-degree granting program located on the Carbondale campus. Students who are admitted to the program may begin their matriculation during fall, spring, or summer semester. The MEDPREP curriculum is designed to meet students' individual preparatory needs. It consists of developmental and remedial tutorials in small class format, preparation for the MCAT, and medical school application assistance. Personal, academic, and career counseling is also provided. Students may participate for up to two years (six semesters). MEDPREP does not offer a guarantee of eventual acceptance to Southern Illinois University or to any other medical school. Inquiries should be addressed to: Director, MEDPREP, Southern Illinois University School of Medicine, Carbondale, Illinois 62901.

Timetable of Application and Acceptance for 1983-84 First-Year Class

School participates in AMCAS. See Chapter 4.

Filing of AMCAS application
  Earliest date: June 15, 1982
  Latest date: Nov. 15, 1982
School application fee: none
Acceptance notice to regular applicants
  Earliest date: Oct. 15, 1982
  Latest date: March 1, 1983
Does have Early Decision Plan (EDP)
  For Illinois residents only
  EDP application period: June 15-Aug. 1, 1982
  Applicants notified by: Oct. 1, 1982

Applicant's response to acceptance offer
  Maximum time: 2 weeks
Deposit to hold place in class (applied to tuition): $100, due with response
Deposit refundable prior to: matriculation
Estimated number of new entrants: 72
Starting date: Aug. 22, 1983

Expenses per Year for 1981-82 First-Year Class

Tuition
  Resident: $2,500
  Nonresident: not applicable
Student fees: $426

School provides microscope without charge
Total average figure for all other expenses: $6,800

Information on 1981-82 First-Year Class

Number of	*In-State*	*Out-of-State*	*Total*
Applicants*	1,105	158	1,263
New Entrants †	72	0	72

*40% were interviewed.

†100% were interviewed, took the MCAT, and had baccalaureate degrees.

Indiana University School of Medicine

Dr. Steven C. Beering, Dean
Dr. George T. Lukemeyer, Executive Associate Dean
Robert M. Stump, Jr., Admissions Officer

Address inquiries to:
Medical School Admissions Office
Room 213, Fesler Hall
Indiana University
School of Medicine
1100 West Michigan Street
Indianapolis, Indiana 46223
(317) 264-3772

General Information. The Indiana University School of Medicine was founded in 1903 and accepted its first class that year. Indiana University Medical Center includes the School of Medicine with its Division of Allied Health Sciences, the School of Dentistry, the School of Nursing, research laboratories, the University Hospitals, and the Student Union Building.

Curriculum. The basic medical sciences are presented in the first four terms. Entering students have contact with patients beginning in the first academic year. Second-year students have an intense 22-week multidepartment course entitled Introduction to Medicine.

A 12-month core clinical clerkship program occupies the third year, and the fourth year is reserved exclusively for nine one-month electives. Qualified students may begin an M.S. or Ph.D. degree in combination with the M.D. degree program.

In addition to the Indianapolis medical educational programs, there is a special limited enrollment Medical Sciences Program in Bloomington. The Medical Sciences Program is sufficiently flexible to allow students to pursue a graduate program instead of, or in addition to, the M.D. degree. The School of Medicine has centers for medical education at Gary, South Bend, Fort Wayne, Muncie, Terre Haute, Lafayette, and Evansville. A limited number of first- and second-year students may be enrolled at these centers.

Requirements for Entrance. The MCAT, a personal interview, and a minimum of three college years (90 semester hours) are required. Physical education and ROTC courses will not be accepted as part of the 90 semester hours. The premedical course work must include:

	Years
Biology (with labs)	1
General chemistry (with labs)	1
Organic chemistry (with labs)	1
Physics (with labs)	1

Applicants should plan to take the MCAT in the spring prior to making application. The applicant will not be considered for admission by the Admissions Committee until the MCAT scores are received. It is strongly recommended that an applicant receive an A.B. or B.S. degree from an accredited school. However, students may be considered for admission after three years of college work if they are eligible for full senior standing in their college.

Selection Factors. Students are offered places in the class on the basis of scholarship, character, personality, references, residence, and performance on the MCAT. In addition, the medical school faculty has specified nonacademic criteria (technical standards) which all applicants must meet in order to participate effectively in the medical education program and the practice of medicine. Preference will be given to residents of Indiana. A limited number of positions are available for nonresidents.

A personal interview is required prior to acceptance. Applicants will be interviewed only by invitation of the Admissions Committee.

The School of Medicine does not discriminate on the basis of race, sex, religion, age, handicap, creed, or national origin.

Statistics of the 1981 entering class were: *average GPA*, 3.63; *sex*, 91 women; *residence*, 13 nonresidents; *minorities*, 12 students; *undergraduate major*, majority in biological sciences or chemistry; *education*, 95 percent had four years or more of college.

Because of the keenness of the competition for places in the medical school, the Admissions Committee has established a cutoff GPA for Indiana residents. Indiana residents with an accumulative GPA of less than 3.2 (scale of A = 4.0) will ordinarily not be invited for an interview.

Nonresidents' applications will be considered on an individual basis. Generally speaking, a nonresident who does not have outstanding MCAT scores and a GPA equal to the average GPA of the previous year's entering class will not be eligible for consideration.

Financial Aid. Scholarship and long-term, low interest loan funds are available to students with financial need. There are also funds available that provide awards to medical students who have demonstrated academic excellence.

Information for Minorities. Applications from disadvantaged individuals and members of minority groups are encouraged.

The school recruits capable minority college students and provides counseling for high school and college students interested in the health professions. A program is available for all students who require and request tutorial assistance.

All applications are reviewed by the full Admissions Committee, which accepts students, minority and nonminority, on an individual basis according to their potential and promise for medical school and for service as physicians.

Timetable of Application and Acceptance for 1983-84 First-Year Class

School participates in AMCAS. See Chapter 4.

Filing of AMCAS application
  Earliest date: June 15, 1982
  Latest date: Dec. 15, 1982
School application fee after screening: $20
Acceptance notice to regular applicants
  Earliest date: Nov. 15, 1982
  Latest date: May 15, 1983

Does not have Early Decision Plan
Applicant's response to acceptance offer
  Maximum time: 3 weeks
Deposit to hold place in class: none
Estimated number of new entrants: 290
Starting date: Aug. 1983

Expenses per Year for 1981-82 First-Year Class

Tuition
  Resident: $2,500
  Nonresident: $6,000
Student fees: varies

Microscope rental available from school: $60
Total average figure for all other expenses: $5,400

Information on 1981-82 First-Year Class

Number of	*In-State*	*Out-of-State*	*Total*
Applicants*	574	756	1,330
New Entrants †	292	13	305

*50% were interviewed.

†100% were interviewed and took the MCAT; 95% had baccalaureate degrees.

The University of Iowa
College of Medicine

Dr. John W. Eckstein, Dean
Dr. George L. Baker, Associate Dean for Student Affairs
and Curriculum
Thomas C. Taylor, Coordinator of Admissions and Records

Address inquiries to:
Coordinator of Admissions
101 College of Medicine Administration Building
The University of Iowa
College of Medicine
Iowa City, Iowa 52242
(319) 353-6617

General Information. The College of Medicine originated in 1850 and has evolved into a major health center serving the entire state and region. The health sciences campus includes the 1,100-bed University Hospitals and Clinics, 440-bed Veterans Administration Hospital, 1,100-seat Health Sciences Library, and medical college, basic sciences, dental, nursing, and pharmacy buildings. The medical school has a full-time teaching faculty. Every faculty member devotes full time in the medical center to teaching medical students, to patient care, and to medical research. This provides excellent experience in intensive bedside learning. The 500 resident physicians are selected for their interest in teaching as well as their outstanding academic records.

Curriculum. The curriculum consists of four phases. The introductory Phase 1 of three semesters covers the sciences basic to medicine. Phase 2 is an intensive semester-long introduction to clinical medicine, which develops a foundation of attitudes, habits, knowledge, and skills. Phase 3 comprises a period of approximately 12 months of clerkships in clinical areas. Phase 4 is a period of intensive studies chosen by the student with the help of faculty advisers. The programs may include course work in the basic sciences or clinical areas and/or research in association with members of the faculty and may be on or off campus.

In order to prepare academicians in medicine, a Medical Scientist Training Program (MSTP) is offered which leads to both the M.D. and Ph.D. degrees over a six- to seven-year period.

Requirements for Entrance. The MCAT and a minimum of 94 semester hours in an approved college are required. The college curriculum must include the requirements for a baccalaureate degree and the following course work with appropriate laboratory experiences:

Biological sciences: A complete introductory course in the principles of animal biology or zoology and botany (but not botany alone) and one advanced course in biology.
Chemistry: A complete introductory course in organic chemistry, which would ordinarily follow a complete introductory course in modern general chemical principles.
Physics: A complete introductory course.
Mathematics: College algebra and trigonometry or advanced college mathematics when college algebra and trigonometry were completed in high school.

The remaining hours are chosen by the student. It is assumed that rhetoric, literature, social and behavioral science, and historical culture are generally among the courses taken as requirements for a baccalaureate degree.

Applicants for admission to the College of Medicine must demonstrate the capability to complete the entire medical curriculum, which requires proficiency in a variety of cognitive, problem-solving, manipulative, communicative, and interpersonal skills.

Selection Factors. To be eligible for admission, the applicant must have attained at least a 2.5 GPA (on a 4.0 scale) for all college work undertaken. Fulfillment of the basic requirements does not guarantee admission. The Admissions Committee selects those eligible applicants best qualified for the study and practice of medicine. The major factors considered are:

1. Overall undergraduate academic record as reflected in the GPA. The class has averaged 3.6 on a 4.0 scale.
2. Science GPA. The average has been 3.6.
3. MCAT scores. Scores have averaged 9-10 on each subtest.
4. Residence. Iowa residents are given preference. Typically 90 percent or more of the class are state residents. Nonresident applicants (excluding those who apply under the Educational Opportunities Program or the Medical Scientist Training Program) will be considered only under the Early Decision Plan.

5. Personal characteristics, evaluated primarily by means of specially devised evaluation forms, which are sent to each applicant to be completed by evaluators chosen by the applicant. Personal interviews are not usually conducted but are occasionally requested by the Admissions Committee. Applicants who feel that an interview is necessary may request that an interview be arranged by contacting the coordinator of admissions. Requests for interviews should normally be made before January 1. The specific purpose of the interview should be clearly stated.

While most students applying have a major in one of the science areas, equal consideration is given to nonscience majors who have performed well in the required premedical courses.

Financial Aid. Applicants are selected without consideration of their ability to meet the expenses of attending medical school. Students receive financial aid solely on the basis of need as calculated using the College Scholarship Service Financial Aid Form. (See Chapter 6 for details.)

While students are responsible for their own financial support, the college provides information and advice on locating sources of funds. Students are urged to seek federally insured bank loans from their hometown banks. Loan and grant funds from private, state, and federal sources are available through the college.

Information for Disadvantaged Applicants. The Educational Opportunities Program (EOP) provides financial and academic assistance to educationally disadvantaged students. The program gives emphasis to groups underrepresented in American medicine. The EOP financial aid package is designed individually on the basis of need. Eligibility for the program is determined by a special committee which includes students. A required prefreshman summer program includes orientation, one of the regular first semester courses, a study skills program, and introductory material to other courses in the curriculum. Departmental tutors are available. Application fees and admission deposit may be defrayed for financially disadvantaged students.

Timetable of Application and Acceptance for 1983-84 First-Year Class

School participates in AMCAS See Chapter 4.

Filing of AMCAS application
  Earliest date: June 15, 1982
  Latest date: Dec. 1, 1982
School application fee after screening: $10
Acceptance notice to regular applicants
  Earliest date: Dec. 15, 1982
  Latest date: Aug. 1983
Does have Early Decision Plan (EDP)
  Nonresidents (except MSTP and EOP applicants) must apply under EDP
  EDP application period: June 15-Aug. 1, 1982
  Applicants notified by: Oct. 1, 1982
Applicant's response to acceptance offer
  Maximum time: 2 weeks
Deposit to hold place in class (applied to tuition): $50, due March 1, 1983
Deposit refundable prior to: June 15, 1983
Estimated number of new entrants: 175
Starting date: Aug. 1983

Expenses per Year for 1981-82 First-Year Class

Tuition
  Resident: $2,670
  Nonresident: $4,800
School provides microscope without charge
Total average figure for all other expenses: $4,845

Information on 1981-82 First-Year Class

Number of	*In-State*	*Out-of-State*	*Total*
Applicants*	360	454	814
New Entrants †	147	28	175

*1% were interviewed.

†1% were interviewed; 100% took the MCAT; 86% had baccalaureate degrees.

University of Kansas College of Health Sciences and Hospital School of Medicine

Dr. Marvin I. Dunn, Dean
Dr. Thorkil Jensen, Associate Dean
Walter R. Gehlbach, Director of Student Admissions and Records

Address inquiries to:
Director of Student Admissions and Records
University of Kansas
College of Health Sciences and Hospital
School of Medicine
39th and Rainbow Boulevard
Kansas City, Kansas 66103
(913) 588-7055

General Information. The University of Kansas School of Medicine was established in 1899 with a two-year medical course which had been offered since 1880. Three private schools merged with the School of Medicine in 1906 to begin a four-year course in medicine. To expand teaching facilities, a part of the School of Medicine became operational in Wichita in 1972. A portion of every medical school class completes clinical training at four Wichita hospitals. A highly effective ratio of faculty to students is found with a teaching staff of 1,030 – 525 of whom devote full time in general and specialty medicine, basic and applied sciences, and teaching. An ongoing expansion program in Kansas City resulted in the 1976 opening of a new facility for the teaching of the basic sciences. A new hospital building completed in 1979 provides additional clinical space and brings the total number of hospital beds to 782. It includes a new emergency area, diagnostic and treatment areas, sophisticated intensive care units, and a major expansion of outpatient clinical facilities.

Curriculum. The curriculum at the University of Kansas School of Medicine is designed for maximum flexibility. The majority of the medical students participate in a program based on four years of study. The first two years are devoted to the study of basic medical sciences with orientation to clinical applications providing early introduction to patient care. With the assistance of an adviser, the student plans the two clinical years to include the six required clinical clerkships and schedules available elective time to enhance the achievement of personal educational goals. During the final year the students serve for two months with a practicing physician, usually in a small Kansas community. A limited number of qualified students may enter an accelerated program to complete work for the M.D. degree in three years. An M.D.-Ph.D. program is also available.

Requirements for Entrance. The MCAT is required. Applicants should complete a course of study leading to a baccalaureate degree which will be conferred prior to the planned date of enrollment in medical school. The degree requirement may be modified under exceptional circumstances. Specific minimum course work requirements are:

Biological science: One academic year which includes didactic and laboratory study in general biology and foundations of vertebrate zoology.
Inorganic chemistry: One academic year of didactic and laboratory study.
Organic chemistry: Aliphatic and aromatic; one academic year of didactic and laboratory study.
Quantitative analytical chemistry: One semester or the basic concepts studied within the work of inorganic chemistry or other college chemistry courses.
Physics: One academic year covering the important concepts of introductory college physics, including lab, and based on mathematics at least at the level of college algebra and trigonometry.
Mathematics: A course covering differential and integral calculus. Statistics is recommended.
English proficiency: Based at least on sufficient credit to meet the prerequisite for a liberal arts degree; ordinarily at least one academic year of study.

A report from the college premedical adviser or committee is required. An interview with four members of the Selection Panel, arranged by the School of Medicine, is usually required.

Selection Factors. A Selection Panel, composed of medical faculty, physicians who are in private practice, and Kansas citizens who are not in the medical field, evaluates each applicant's scholarship but recognizes that individual capabilities and professional promise cannot always be completely measured by traditional systems of grading. Panel members also consider MCAT results, the recommendation of an applicant's premedical adviser, the trend in academic performance, and impressions gained at the interview. Decisions are made without regard to race, sex, creed, national origin, age, or handicap. Highly qualified nonresident candidates are considered; however, qualified residents of Kansas are given preference.

Most of the accepted students for the 1981 entering class had a GPA above 3.5.

Financial Aid. The major source of assistance available for students in the University of Kansas School of Medicine is the Kansas Medical Scholarship. Two types of scholarships are awarded annually with a service requirement to practice medicine and surgery in Kansas one year for each year of participation. One type offers payment of tuition plus $500 each month to cover living expenses and requires service in a critically underserved area. The second type pays tuition only and also requires service to be performed in an underserved area. One hundred entering students will be allowed to receive this scholarship in 1982-83.

Numerous loans and scholarships also are available for students demonstrating a need for financial assistance. Over 85 percent of students enrolled in the School of Medicine receive some type of financial aid. Awards are based on an analysis of confidential information submitted by students on the American College Testing Family Financial Statement.

Minority students are encouraged to make application to National Medical Fellowships, Inc., for grant assistance.

Application forms for the above mentioned programs are available in the Office of Student Financial Aid.

Information for Minorities. The School of Medicine has an active program dedicated to the recruitment, admission, education, and graduation of an increased number of individuals from ethnic minority groups. Minority faculty members participate in all aspects of the program.

Timetable of Application and Acceptance for 1983-84 First-Year Class

School participates in AMCAS. See Chapter 4.

Filing of AMCAS application
  Earliest date: June 15, 1982
  Latest date: Nov. 1, 1982
School application fee: $15 to nonresidents
Acceptance notice to regular applicants
  Earliest date: Jan. 31, 1983
  Latest date: Sept. 4, 1983
Does have Early Decision Plan (EDP)
  For Kansas residents only
  EDP application period: June 15-Aug. 1, 1982
  Applicants notified by: Oct. 1, 1982
Applicant's response to acceptance offer
  Maximum time: 2 weeks
Deposit to hold place in class (applied to fees):
  $50, due with response
Deposit refundable prior to: June 15, 1983
Estimated number of new entrants: 200
Starting date: Aug. 29, 1983

Expenses per Year for 1981-82 First-Year Class

Tuition
  Resident: $3,660
  Nonresident: $7,320
Student fees: $125
Student must provide microscope
Total average figure for all other expenses:
  $6,000

Information on 1981-82 First-Year Class

Number of	*In-State*	*Out-of-State*	*Total*
Applicants*	387	611	998
New Entrants †	193	7	200

*39% were interviewed.

†100% were interviewed and took the MCAT; 99.5% had baccalaureate degrees.

University of Kentucky
College of Medicine

Dr. D. Kay Clawson, Dean
Dr. Terrence M. Leigh, Assistant Dean
for Academic Affairs
Linda A. Gilbert, Financial Aid Coordinator

Address inquiries to:
Admissions, Room MN-108
University of Kentucky
College of Medicine
Albert B. Chandler Medical Center
800 Rose Street
Lexington, Kentucky 40536-0084
(606) 233-6161

General Information. The Board of Trustees of the University of Kentucky authorized the establishment of the College of Medicine in 1954, and the first class was admitted in the fall of 1960.

The College of Medicine is part of the university's Albert B. Chandler Medical Center, which also includes colleges of nursing, dentistry, pharmacy, and allied health professions; the 421-bed University Hospital; and the 370-bed Veterans Administration Hospital. The physical plant is located on the university campus in Lexington. The Medical Science Building includes instructional, laboratory, and administrative space for the College of Medicine and the Medical Center Library. Adjacent are the College of Dentistry, the University Hospital including the Outpatient Department and ambulant patient wing, the University Health Service, and the Rehabilitation Center.

Accommodations are available in university operated apartments for single and married students. Personal and academic counseling services are available, and the University Health Service provides medical care for students.

Curriculum. The curriculum is organized and presented to encourage mature study and thoughtful inquiry in a setting that enables the student to gain useful experience. Undergraduate medical students are taught the fundamental problems of human biology, how to recognize the causes of these problems, and how to prevent and treat disease. Students are expected to develop a sense of mature responsibility toward people and a sympathetic understanding of their beliefs and biases.

The objective of the first and second years is to provide knowledge of the biological, physical, and behavioral sciences that enables the student to understand the functions of the body as related to both health and disease. Moreover, mastery of these biomedical disciplines assists the student in learning to think analytically, perceptively, and scientifically.

The student's introduction to the duties and responsibilities of patient care takes place in the University Hospital and affiliated institutions offering comprehensive medical care. Through gradually expanding responsibilities under careful supervision, the student becomes a member of the medical team and participates daily in evaluation and management of clinical problems. Opportunities for education in a variety of settings from tertiary to primary care are provided.

Requirements for Entrance. The MCAT and a minimum of three years of college are required. A few applicants with two years of college are considered if they present outstanding qualifications indicating personal maturity and high scholastic achievement.

Students are strongly advised to balance their work in the natural sciences with courses in the social sciences and humanities and to pursue at least one subject in significant depth. For nonscience majors one or two advanced level natural science courses are helpful. Students classified as premedicine majors will not be considered for admission.

A fundamental education in physics, chemistry, biology, and English is essential; minimal requirements will be satisfied with the following:

	Semesters
Biological sciences (with lab)	2
Chemistry (with lab) Must include inorganic and organic chemistry.	4
Physics (with lab)	2
English Emphasis on communication skills.	2

Selection Factors. As a state supported school, the University of Kentucky College of Medicine gives preference to qualified residents of Kentucky. Only those applicants who have achieved a very strong academic performance and have demonstrated breadth of training and efficient utilization of extracurricular time are encouraged to apply. An academic average of B (3.0 on a 4.0-scale) and MCAT scores that total 36, with no individual subtest score below four, are considered minimum levels for consideration. Final selection is made without regard to race or creed and is based on academic excellence, MCAT performance, personal qualifications, breadth of experience, personal recommendations, and interviews with college faculty.

The students accepted for the 1981 entering class had the following characteristics: *mean grade point standing*, 3.53; *sex*, 31 percent women; *residence*, 2 nonresidents; *undergraduate major*, 70 percent in the natural sciences, with the remainder from the social and behavioral sciences, engineering, and liberal arts. Of the 451 residents of Kentucky who applied, 236 were seriously considered. Of the 627 nonresidents who applied, 13 (2.1 percent) were seriously considered.

The credentials of minority students and students from medically underserved areas of Kentucky are carefully reviewed by the Admissions Committee.

The College of Medicine makes every effort to recruit such students who are well prepared and interested in its curriculum and programs.

Financial Aid. A limited number of scholarship grants are available for selected students offered by the College of Medicine and the Scholarship Program for First-Year Students of Exceptional Financial Need which is supported by the federal government.

Students may finance a large part of their medical education by obtaining long-term loans through such sources as the joint government and university financed plan under the Health Professions Educational Assistance Act, the federally insured bank loan program (Guaranteed Student Loan Program), and the Kentucky Higher Education Assistance Authority (KHEAA). Additional institutional loan/scholarship assistance is available for eligible students, both resident and nonresident. Resident students who plan to practice in rural Kentucky may receive aid from the Rural Kentucky Medical Scholarship Fund.

The Office of Academic Affairs provides financial aid counseling for all students and assists them in applying for aid.

Other Information. The section for Student Development Programs provides academic reinforcement services for all medical students. The primary objective of Student Development Programs is the retention of medical students. Personal, social, and career counseling is provided, as well as a summer program for entering first-year medical students. Other services provided by the section include techniques for improving reading and study skills, preparation for the NBME examinations, and an active tutorial program.

Timetable of Application and Acceptance for 1983-84 First-Year Class

School participates in AMCAS. See Chapter 4.

Filing of AMCAS application
  Earliest date: June 15, 1982
  Latest date: Nov. 1, 1982
School application fee: none
Acceptance notice to regular applicants
  Earliest date: Oct. 1, 1982
  Latest date: when class is filled
Does have Early Decision Plan (EDP)
  EDP application period: June 15-Aug. 1, 1982
  Applicants notified by: Oct. 1, 1982
Applicant's response to acceptance offer
  Maximum time: 2 weeks
Deposit to hold place in class (applied to tuition): $100, due with response
Deposit refundable prior to: March 1, 1983
Estimated number of new entrants: 108
Starting date: Aug. 22, 1983

Expenses per Year for 1981-82 First-Year Class

Tuition
  Resident: $2,189
  Nonresident: $4,356
Student fees: $86
Microscope rental available from school: $50
Total average figure for all other expenses: $6,500

Information on 1981-82 First-Year Class

Number of	*In-State*	*Out-of-State*	*Total*
Applicants*	451	627	1,078
New Entrants †	106	2	108

*18% were interviewed (42% of in-state and 2% of out-of-state applicants).

†80% were interviewed; 100% took the MCAT and had baccalaureate degrees.

University of Louisville School of Medicine

Dr. Donald R. Kmetz, Dean
Dr. James C. Moore, Associate Dean for Admissions
Dr. Leah J. Dickstein, Associate Dean for Student Affairs

Address inquiries to:
Associate Dean for Admissions
University of Louisville
School of Medicine
Health Sciences Center
Louisville, Kentucky 40292
(502) 588-5193

General Information. The School of Medicine was established at the Louisville Medical Institute in 1833 and became affiliated with the University of Louisville in 1846. In 1970 the university became a member of the state system of higher education. In the fall of 1970 the School of Medicine moved into the Health Sciences Center which also includes the School of Dentistry, the Health Sciences Instructional Building, and the Health Sciences Library and Commons Building. The major clinical teaching activities take place in the Louisville General Hospital and four formally affiliated hospitals which together supply more than 1,000 teaching beds in addition to extensive outpatient services.

Curriculum. The educational program includes three major components: the Core, the Elective Program, and the Tutorial Program. Revisions are instituted on an annual basis as a consequence of continuing evaluation, planning, and study by faculty and student curriculum committees.

The Core consists of those traditional basic and clinical science courses generally offered by all approved medical schools. The Elective Program was developed in recognition of students' individual interests, abilities, and goals. Approximately 20 percent of the first two years is devoted to elective sources utilizing the resources of the entire university.

In the senior year, approximately 50 percent of the curriculum is devoted to a tutorial experience in which the student selects a member of the full-time faculty to work with. Through special arrangement students may fulfill this requirement for the tutorial program at another approved institution. This tutorial experience permits either special work in a clinical discipline, or one of its subspecialties, or research in a clinical or preclinical science.

Through the flexibility offered by the elective-tutorial programs, students have an opportunity to construct a program of medical education that will most effectively develop their individual talents and interests. To assist students in their selection and for guidance and counseling purposes, there is a well organized adviser program in which each student entering the school is assigned a member of the full-time faculty.

A grade of pass or fail, a percentage score, a mean, a median, and a Z score are required in all preclinical courses; a grade of pass or fail and a subjective evaluation of the student's performance are required in all clinical core courses and all tutorial courses.

Requirements for Entrance. The MCAT and three years of college are required. Applicants must have a minimum of three years (90 semester hours) of college education, exclusive of military science, physical education, and technical courses. Preference is given to applicants who will have a bachelor's degree before matriculating in the medical school. Minimal credit requirements are:

	Semesters
General biology (with lab)	2
General or inorganic chemistry (with lab)	2
Organic chemistry (with lab)	2
General physics (with lab)	2
College mathematics (unspecified)	2
or calculus	1
English	2

Regardless of major concentration, applicants should demonstrate proficiency in the required science courses.

Selection Factors. Because the University of Louisville is a state institution, the School of Medicine gives preference to qualified residents of Kentucky. Nonresidents, in order to receive full consideration, must have a cumulative undergraduate GPA of 3.6 or higher (A = 4.0) and scores equal to national average or higher in each section of the MCAT. After these stipulations have been met, applicants are selected on the basis of their individual merits without bias concerning sex, race, creed, national origin, age, or handicap. Admissibility is determined by the undergraduate college record, MCAT scores, recommendations of a preprofessional advisory committee, community and extracurricular activities, and personality and motivation of each applicant. A personal interview is arranged for each applicant whose credentials warrant complete exploration.

Students in the 1981 entering class had the following credentials: *mean GPA*, 3.54; *sex*, 32 percent women.

Financial Aid. Financial needs of the applicant are not a consideration in the selection process. After acceptance every effort is made to assist students in meeting their financial requirements. Approximately 75 percent of the student body received some degree of financial aid during the 1980 academic year. Scholarships are available on a limited basis and are granted according to demonstrated financial need and to scholastic and professional promise. Student Research Scholarships are available to qualified students during the summer months.

Information for Minorities. Particular consideration is given to the evaluation of the credentials of minority students. The Admissions Committee is especially interested in qualified black applicants of this region. The director of graduate and professional minority affairs is an ex officio member of the committee and acts as an advocate for minority and disadvantaged applicants.

Timetable of Application and Acceptance for 1983-84 First-Year Class

School participates in AMCAS. See Chapter 4.

Filing of AMCAS application
  Earliest date: June 15, 1982
  Latest date: Nov. 15, 1982
School application fee after screening: $15
Acceptance notice to regular applicants
  Earliest date: Oct. 1, 1982
  Latest date: when class is filled
Does have Early Decision Plan (EDP)
  EDP application period: June 15-Aug. 1, 1982
  Applicants notified by: Oct. 1, 1982
Applicant's response to acceptance offer
  Maximum time: 2 weeks
Deposit to hold place in class (applied to tuition): $100, due with response
Deposit refundable prior to: March 1, 1983
Estimated number of new entrants: 135
Starting date: Aug. 1983

Expenses per Year for 1981-82 First-Year Class

Tuition
  Resident: $2,195
  Nonresident: $4,362
Student fees: $125
Microscope rental available from school: $70
Total average figure for all other expenses: $6,810

Information on 1981-82 First-Year Class

Number of	*In-State*	*Out-of-State*	*Total*
Applicants*	499	683	1,182
New Entrants †	128	7	135

*28% were interviewed.
†100% were interviewed and took the MCAT; 95% had baccalaureate degrees.

Louisiana State University School of Medicine in New Orleans

Dr. Paul F. Larson, Dean
Dr. D. J. Guidry, Associate Dean and Director of Admissions
James D. Comeaux, Director of Financial Aid

Address inquiries to:
Admissions Office
Louisiana State University
School of Medicine in New Orleans
1542 Tulane Avenue
New Orleans, Louisiana 70112
(504) 568-6262

General Information. Louisiana State University School of Medicine was established in 1931 by authorization provided in the charter of Louisiana State University (LSU) and Agricultural and Mechanical College adopted in 1877. Constructed in New Orleans on grounds adjacent to Charity Hospital, the School of Medicine is the major unit in the recently developed LSU Medical Center, which now includes schools of dentistry, nursing, graduate studies, and allied health sciences.

An extensive program of internship and residency training is supervised by the faculty.

A student housing facility was completed in 1964. Furnished and unfurnished apartments are available for married and single students. Regular dormitory-type space is also available.

A $32 million education building was completed in 1981. This new facility allows for the expansion of teaching and research programs.

Curriculum. The first two years of the curriculum are a combination of basic sciences and clinical medicine. In addition to the usual basic science courses in the first year, the student is introduced to patient care and contact in the Introduction to Clinical Medicine course. The basic sciences continue into the second year, and expanded clinical contact is provided in such courses as dermatology, preventive medicine, and psychiatry. Introduction to Clinical Medicine continues throughout the second year with additional patient care and contact. Third- and fourth-year teaching is on a pure block system and is basically small group instruction (on a conference and seminar basis) in hospitals, clinics, and private practice facilities. Fourth-year students are given four elective blocks of their own choice. These may be completed at the School of Medicine or arranged with any other approved facility.

Although major emphasis is placed on training primary care physicians (family practice), opportunity for research and other specialized training is furnished. In addition, a combined M.D.-Ph.D. program is available for selected students.

The curriculum is under constant evaluation and review by both faculty and students.

Requirements for Entrance. The MCAT is required and must be taken at a time that enables scores to be received by the Admissions Office prior to the November application deadline to be considered for admission the following August. Applicants are strongly urged to complete the regular four-year undergraduate curriculum and take the appropriate strongly recommended courses before entering the study of medicine.

Acceptable credit hours must include:

	Sem. hrs.
Biology (with lab)	8
Preferably general zoology, embryology, or comparative vertebrate anatomy.	
General or inorganic chemistry (with lab)	6
Organic chemistry (with lab)	6
Advanced chemistry (with lab)	3
Quantitative analysis, biochemistry, physical chemistry, or equivalent.	
Physics (with lab)	8
Covering heat, light, sound, mechanics, electricity, and magnetism.	
English	9

Recommended courses are: advanced mathematics, genetics, statistical methods, psychology, economics, history, and social studies.

Current policy precludes acceptance of advanced placement courses for credit towards fulfilling specific requirements in the sciences (biology, chemistry, and physics). The School of Medicine does not accept pass/fail grades for required science courses.

Selection Factors. Students are selected on the basis of character, intellectual ability, maturity, motivation, attitude, and past achievement as indicated both by excellent scholastic performance and active participation in extracurricular activities prior to entering medical school. There is no discrimination because of race, religion, sex, age, handicap, national origin, or financial status. Minority group students are strongly encouraged to apply.

Students in the 1981 entering class had the following credentials: *mean science GPA*, 3.41; *mean total GPA*, 3.49; *sex*, 49 women.

Priority is given to residents of Louisiana in selecting members for the first-year class. It has not been possible to accept nonresidents because of the large number of well qualified applicants from Louisiana. Determination of state residence is provided by LSU system regulations.

Interviews are arranged by invitation from the Committee on Admissions and are conducted at the LSU Medical Center facilities.

Financial Aid. Financial assistance is available for students through several different methods. There are direct scholarship programs, state and federal loan programs, work-study programs, and opportunities for employment in the New Orleans area for students in their third and fourth years. Information concerning financial assistance may be obtained from the Student Financial Aid Office.

Timetable of Application and Acceptance for 1983-84 First-Year Class

School participates in AMCAS. See Chapter 4.

Filing of AMCAS application
  Earliest date: June 15, 1982
  Latest date: Nov. 15, 1982
School application fee to all applicants: $20
Acceptance notice to regular applicants
  Earliest date: Nov. 15, 1982
  Latest date: class registration date

Does not have Early Decision Plan
Applicant's response to acceptance offer
  Maximum time: 2 weeks
Deposit to hold place in class: none
Estimated number of new entrants: 175
Starting date: Aug. 15, 1983

Expenses per Year for 1981-82 First-Year Class

Tuition
  Resident: $1,600
  Nonresident: not applicable
Student fees: $108

Student must provide microscope
Total average figure for all other expenses: $6,928

Information on 1981-82 First-Year Class

Number of	***In-State***	***Out-of-State***	***Total***
Applicants*	677	273	950
New Entrants †	175	0	175

*52% were interviewed.

†100% were interviewed, took the MCAT, and had baccalaureate degrees.

Louisiana State University School of Medicine in Shreveport

Dr. Perry Rigby, Acting Dean
Dr. William T. McElroy, Jr., Associate Dean, Admissions
Dr. John Allen, Assistant Dean, Student Affairs

Address inquiries to:
Louisiana State University
School of Medicine in Shreveport
P.O. Box 33932
Shreveport, Louisiana 71130
(318) 674-5190

General Information. The Louisiana State University (LSU) School of Medicine in Shreveport, a four-year school, admitted its first class in 1969; the first M.D. degrees were awarded in 1973. Teaching takes place at the school's principal teaching hospital, Louisiana State University Hospital (675 beds), and at the affiliated Shreveport Veterans Administration Hospital (450 beds). Permanent medical school facilities, consisting of a basic and clinical science building, library, and Comprehensive Care Teaching Facility, were occupied in the winter of 1975. In addition, the school owns and operates a 20-acre apartment house complex for student housing.

Curriculum. The curriculum is traditional in general features but not entirely classical in detail. It is flexible to permit experimentation without disruption. Contact with patients begins early, paralleling a thorough grounding in basic medical sciences. In addition to short courses in radiology, psychiatry, biometry, and physical examination, "live clinics" throughout the first and second years serve to indicate application of the basic sciences in clinical medicine. A wide variety of elective instruction is available to first- and second-year students, and one-third of the senior year is elective time on campus or at other institutions. A program of comprehensive care is woven through all four years. The third and fourth years are essentially rotating clerkships in the clinical disciplines. The following grading system is employed: A, B, C, D (barely pass), and F (fail).

Requirements for Entrance. The MCAT is required. A minimum of three years of college credit and at least 90 semester hours must be presented. Baccalaureate degrees are desirable.

Required courses are:

	Sem. hrs.
Biology (with lab)	8
Inorganic chemistry (with lab)	6
Organic chemistry (with lab)	6
General physics (with lab)	8
English	9
Classic or modern language	6

Prospective applicants are strongly urged to take the MCAT by the spring of the year of application and to complete most of the required course work at time of application. They should pursue their own particular interests in selecting college courses not required for admission; a broad educational background is desirable.

Selection Factors. Admission is based upon character, motivation, intellectual ability, and achievement as judged by recommendations of premedical advisers, personal interviews with members of the faculty at the School of Medicine, college grades, and MCAT scores. In recent years, the number of applications filed by well qualified residents of the state has been in excess of the number of places available. For this reason, places are not offered to nonresidents. Determination of state residence is provided by university regulations.

Accepted students for the 1981 entering class had the following credentials: *mean science GPA*, 3.6; *mean overall GPA*, 3.6; *sex*, 27 percent women (acceptance rate the same for men and women per number of applicants); *residence*, 100 percent from Louisiana; *undergraduate major*, 87 percent in biology or chemistry; *undergraduate college*, 26 schools represented; *overall acceptance rate*, 50 percent of those seriously considered received acceptances, 152 acceptances were offered out of 611 resident applicants to obtain a class of 100 freshmen.

The School of Medicine in Shreveport does not discriminate in applicant selection on the basis of race, sex, creed, national origin, age, or handicap.

Financial Aid. Scholarship and long-term, low interest loan funds are available to students with financial need. In the past, no accepted student has been unable to meet his financial needs. Scholarships and loans are available to students all four years and are based on applications showing verified need. Certain awards are given in recognition primarily of academic accomplishment and promise. The school offers many summer employment jobs to students but does not advise employment during school sessions which would interfere with academic performance. Financial need has no bearing on an applicant's acceptance. Applications for financial assistance are furnished by the dean's office after students have been accepted and the class is firmly filled. Approximately 30 percent of the student body obtain financial aid in the form of loans.

Information for Minorities. Applications from minority students are encouraged and will be given every consideration.

Timetable of Application and Acceptance for 1983-84 First-Year Class

School participates in AMCAS. See Chapter 4.

Filing of AMCAS application
  Earliest date: June 15, 1982
  Latest date: Nov. 15, 1982
School application fee to all applicants: $20
Acceptance notice to regular applicants
  Earliest date: Nov. 15, 1982
  Latest date: varies
Does not have Early Decision Plan

Applicant's response to acceptance offer
  Maximum time: 2 weeks
Deposit to hold place in class (applied to tuition): $50, due with response
Deposit refundable prior to: April 15, 1983
Estimated number of new entrants: 100
Starting date: Sept. 6, 1983

Expenses per year for 1981-82 First-Year Class

Tuition
  Resident: $1,600
  Nonresident: not applicable
Student fees: $30

Student must provide microscope
Total average figure for all other expenses: $4,000

Information on 1981-82 First-Year Class

Number of	*In-State*	*Out-of-State*	*Total*
Applicants*	611	155	766
New Entrants †	100	0	100

*38% were interviewed.
†100% were interviewed and took the MCAT; 80% had baccalaureate degrees.

Tulane University School of Medicine

Dr. James T. Hamlin III, Dean
Dr. W. Clifford Newman, Associate Dean for Admissions
Dr. Joseph C. Pisano, Chairman,
Financial Aid Committee

Address inquiries to:
Director of Admissions
Tulane University
School of Medicine
1430 Tulane Avenue
New Orleans, Louisiana 70112
(504) 588-5187

General Information. Tulane University School of Medicine, founded in 1834, is a private, nonsectarian institution located in New Orleans. Adjacent to the School of Medicine is its principal teaching hospital, Charity Hospital of Louisiana, which has about 1,650 beds and large outpatient clinics. A new facility, the Tulane Medical Center Hospital and Clinic, has recently been incorporated into the medical school teaching programs. Other affiliated teaching hospitals include eight hospitals in New Orleans and seven hospitals in other communities in Louisiana.

Curriculum. The School of Medicine offers a 144-week program leading to the M.D. degree. A student generally completes the program over four calendar years. The emphasis in the first two years is on the principles of the basic medical sciences and correlation of these principles with individual and community health problems. Clinical aspects of the basic sciences are emphasized throughout the first two years. The third and fourth years provide experience in clinical settings of patient care and community health programs. Flexibility is attained by allowing one-third of scheduled curriculum time for elective courses and selected advanced studies. A number of interdisciplinary courses are offered by the combined faculties of basic and clinical science departments. A medical student may enroll concurrently in a graduate program and obtain the M.S., M.P.H., or Ph.D. degree along with the M.D. degree. The courses of study and grading methods are under review at all times by faculty and students.

Requirements for Entrance. The MCAT and a minimum of three years of college or 90 semester hours are required. Four years of college and the baccalaureate degree are recommended.

Applicants are urged to take the MCAT in the spring of the year of application and to have their basic science requirements completed at the time of application. The required courses are:

	Sem./Qtr.
Biology (with lab)	2/3
Inorganic chemistry (with lab)	2/3
Organic chemistry (with lab)	2/3
General physics (with lab)	2/3
English	(1 year)

In premedical preparation, the major program need not be in one of the science fields. Students are urged to follow their own inclinations in choosing a course of study, recognizing that a physician should have a broad educational background.

Selection Factors. In evaluating applicants, the Committee on Admissions relies heavily on such criteria as grade averages, MCAT scores, faculty appraisal from the applicant's college, special accomplishments and talents, and the substance and level of courses taken in a particular college. Most successful applicants have attained a GPA of 3.5. Because of national priorities, essentially all students accepted must be U.S. citizens. Personal character of the highest order is required along with strong motivation, great potential, and evidence of high-level performance. Tulane University does not discriminate on the basis of race, sex, creed, age, national origin, or handicap.

The Committee on Admissions works from the top of the applicant pool. Following interview sessions, the committee reviews again an applicant's record during one of its regular weekly meetings. The committee holds the authority to decide whether a candidate should be accepted, rejected, or held for further evaluation at a later date.

Financial Aid. Scholarships, long-term loans, and a tuition deferment plan are available to students based on an analysis of the individual's financial needs. More than one-third of the students receive some form of financial assistance during their four years of study.

First-year students ordinarily are not

encouraged to undertake employment during the session; this is also true for students in the other years if their scholastic standing would be jeopardized. A number of paid externships are available in the local hospitals. A limited number of summer research fellowships are available in most departments of the school.

Information for Minorities. Tulane encourages qualified minority and disadvantaged students to apply. Special activities available for, but not limited to, minority students include summer enrichment programs prior to entering medical school and tutorial and counseling services for students in medical school. These services are available through MEdREP, the Student Academic Services Committee, and other groups and programs. The Committee on Admissions includes minority members, but there is no separate review for minority applicants or for any other special group.

Timetable of Application and Acceptance for 1983-84 First-Year Class

School participates in AMCAS. See Chapter 4.

Filing of AMCAS application
  Earliest date: June 15, 1982
  Latest date: Dec. 15, 1982
School application fee to all applicants: $50
Acceptance notice to regular applicants
  Earliest date: Oct. 15, 1982
  Latest date: varies
Does not have Early Decision Plan
Applicant's response to acceptance offer
  Maximum time: 2 weeks
Deposit to hold place in class (applied to tuition): $100, due with response
Deposit refundable prior to: June 15, 1983
Estimated number of new entrants: 148
Starting date: Aug. 1983

Expenses per Year for 1981-82 First-Year Class

Tuition
  Resident: $6,733
  Nonresident: $8,950
Student fees: $387
Student must provide microscope; rental available from school (limited number): $50
Total average figure for all other expenses: $6,845

Information on 1981-82 First-Year Class

Number of	*In-State*	*Out-of-State*	*Total*
Applicants*	467	5,553	6,020
New Entrants †	42	106	148

*10% were interviewed.

†100% were interviewed and took the MCAT, 97% had baccalaureate degrees.

The Johns Hopkins University School of Medicine

Dr. Richard S. Ross, Dean
Dr. Norman D. Anderson, Assistant Dean for Admissions
M. Sandra Morse, Financial Aid Officer

Address inquiries to:
Committee on Admission
The Johns Hopkins University
School of Medicine
720 Rutland Avenue
Baltimore, Maryland 21205
(301) 955-3182

General Information. The Johns Hopkins University School of Medicine is a private, nondenominational institution which opened in 1893, 17 years after the university's founding and four years after completion of the Johns Hopkins Hospital. The operation of the Johns Hopkins Hospital and the operation of the School of Medicine are thoroughly interrelated physically and in spirit even though they are separate corporations.

Preclinical courses are given in a basic science complex located next to the hospital where, in turn, most clinical subjects are taught. The Johns Hopkins University School of Hygiene and Public Health is also located in the same area and can be used by students for special studies. Educational programs are conducted in many hospitals in the Baltimore area.

Although the majority of its graduates ultimately become medical practitioners, Johns Hopkins has fostered from its beginning the development of medical teachers and investigators in both clinical and preclinical fields. The school achieves these ends by providing a wide range of opportunities in its programs, curricular options, and special areas of study.

Four-Year and Human Biology Programs. The Four-Year Program is the regular program of study towards the M.D. degree. Its major features are: a faculty advisory system that provides individualized counseling for each student; an introductory course in issues in health care for freshman students; participation of the clinical staff in preclinical courses; a minimum number of recommended clinical clerkships; and large blocks of elective time (a total of more than one year).

The B.A.-M.D. track of this new Human Biology Program (HBP), which replaces the previous Year I Program, represents an integrated accelerated medical education effort that is designed for students who have completed at least two years of undergraduate study. During the initial two years of this five-year program, requirements for the B.A. degree are completed at the same time that basic medical science courses in the medical school are taken. The final three years consist of the traditional medical school curriculum. Additional details and requirements regarding the Human Biology Program can be obtained by writing to the Committee on Admission.

An accelerated program utilizing summer sessions is also available for selected students; it allows students to take an internship during the final year of the M.D. program.

Combined M.D.-graduate study can be obtained in a number of fields including: biochemistry and molecular biology, biomedical engineering, cell biology and anatomy, history of medicine, human genetics, microbiology, pharmacology, and physiology. Combined study can be applied for by specific applications to both programs through the Committee on Admission. Additional details regarding specific areas of study and application procedures are given in the catalog of the School of Medicine.

Requirements for Entrance. The MCAT is required except for applicants to the B.A.-M.D. track of the Human Biology Program. The B.A. degree or equivalent must be received prior to matriculation into the regular four-year program. Required courses are:

	Sem. hrs. *4-year*	*HBP*
General biology or zoology (with lab)	8	
General chemistry (with lab)	8	8
Organic chemistry (with lab)	8	8
General physics (with lab)	8	
Humanities, social or behavioral sciences	24	9-12
Calculus	4	4
Analytical geometry		

Physical chemistry and quantitative analysis are strongly recommended.

Courses must be graded with a traditional grading system rather than with pass/fail grades.

Applicants to the B.A.-M.D. track are expected to have a superior background in basic biologic principles, which can be obtained through secondary school work, studies at the college level, or unusual work experience in the laboratory or in the field. A physics course will be provided in the B.A.-M.D. track for those students matriculating in the program without one year of general physics lecture and laboratory. Additional details regarding admission requirements for the Human Biology Program will be supplied on request.

Selection Factors. In addition to proven academic competence, a student's previous experience and activities help the Committee on Admission determine the strength of an applicant's commitment to medicine. Students who have unusual talents, strong personal qualities, and demonstrated leadership and academic ability are sought. Students are encouraged to apply when they have strong premedical faculty support of their chances of being accepted at the Johns Hopkins University. No preference is given to students based on sex, residence, or undergraduate major.

Financial Aid. Financial aid in the form of grants and loans is available. Awards are made solely on the basis of financial need. Financial considerations do not influence admission decisions, for the school recognizes that many families are unable to bear the full costs of medical education. Student fellowship stipends are frequently available for projects carried out in summers.

Applicants for financial aid who are not U.S. citizens or who do not have a permanent resident visa or immigrant visa are not eligible to receive financial aid from the Johns Hopkins University School of Medicine because of federal restrictions on the use of funds which support the aid program.

Information for Minorities. There is a faculty member who serves as a minority student adviser. In addition, there is a black student organization. Specific inquiries can be made to the Office of Predoctoral Programs.

Timetable of Application and Acceptance for 1983-84 First-Year Class

Dates in italics refer to the Human Biology Program.

Filing of application
  Earliest date: June 15, 1982; *Jan. 1, 1983*
  Latest date: Nov. 1, 1982; *April 15, 1983*
School application fee to all applicants: $50
Acceptance notice to regular applicants
  Earliest date: Nov. 15, 1982; *June 15, 1983*
  Latest date: March 25, 1983; *July 15, 1983*

Does have Early Decision Plan (EDP)
  EDP application period: June 15-Aug. 15, 1982
  Applicants notified by: Oct. 1, 1982
Applicant's response to acceptance offer
  Maximum time: 2 weeks
Deposit to hold place in class: none
Estimated number of new entrants: 120
Starting date: Sept. 6, 1983

Expenses per Year for 1981-82 First-Year Class

Tuition: $7,150
Student fees: $563
Microscope rental available from school: $100
Total average figure for all other expenses: $7,175

Information on 1981-82 First-Year Class

Number of	*In-State*	*Out-of-State*	*Total*
Applicants*	195	2,617	2,812
New Entrants †	10	114	124

*25% were interviewed.

†100% were interviewed; 100% of students matriculating into Four-Year Program took the MCAT and had baccalaureate degrees.

University of Maryland School of Medicine

Dr. John M. Dennis, Dean
Dr. Ellen G. McDaniel, Associate Dean of Admissions
James H. Nolan, Director, Financial Aid

Address inquiries to:
Dr. Ellen G. McDaniel
Committee on Admissions
Room 14-015
University of Maryland
School of Medicine
655 West Baltimore Street
Baltimore, Maryland 21201
(301) 528-7478

General Information. The University of Maryland School of Medicine is the fifth oldest medical college in the United States. It was organized in 1807 and chartered in 1808 under the name of the College of Medicine of Maryland; the first class was graduated in 1810. Among the first to erect its own hospital for clinical instruction in 1823, Maryland established the first intramural residency for senior students.

Along with the other professional schools of the University of Maryland (dentistry, law, nursing, pharmacy, and social work), the School of Medicine is located on the Baltimore City Campus which is adjacent to the downtown Charles Center.

The University of Maryland Hospital and affiliated hospitals in and around Baltimore have more than 1,400 general hospital beds for teaching purposes.

Curriculum. Students pursue a program in the first two years consisting of most of the basic sciences common to all medical schools. Increased elective experiences will be available early in both the basic and clinical sciences. An increasing proportion of time in the first two years will be devoted to interdisciplinary instruction in the elements of clinical practice. The third year is devoted to basic clinical clerkships and the fourth year, to advanced clinical work, both elective and required. Ambulatory care and some medical specialties are included in this portion. A major portion of the fourth year is available for elective experiences on the Baltimore campus and (with approval) elsewhere.

Requirements for Entrance. The MCAT and at least 90 semester hours of accredited arts and science college credit are required. Preference is given to applicants who will have earned a bachelor's degree. The following courses must be completed prior to matriculation:

	Sem. hrs.
General biology or zoology	8
Inorganic chemistry	8
Organic chemistry	6
General physics	8
English	6

Applicants should major in the academic area of their interest. If a nonscience major is selected, sufficient science courses should be taken to acquaint the applicant with the demands of a science oriented curriculum.

The MCAT must be taken no later than the fall test period of the year in which application is made.

Selection Factors. Applications are accepted from citizens of the United States and Canada only. All applicants from Maryland are permitted to submit a direct application (Stage II) after the AMCAS application is received. Nonresident applicants are sent a Stage II application only upon recommendation of the Committee on Admissions. Applications from nonresidents may be rejected on the basis of GPA and MCAT scores that appear on the AMCAS application.

Interviews are arranged for those applicants who appear to have the academic and personal qualities required for successful completion of the requirements for graduation from the School of Medicine. Applications may be rejected from both residents and nonresidents without an interview.

Selections are based on a careful appraisal of academic achievement, performance on the MCAT, letters of recommendation, qualities of leadership, and knowledge of the broad aspects of medicine as a profession.

Accepted students for the 1981 entering class had the following characteristics: *average GPA*, 3.59; *undergraduate major*, about 75 percent science majors; *sex*, 31.9 percent women; *acceptance rate*, 35 percent of Maryland applicants, 12 percent of nonresident applicants; *minority acceptance rate*, 24 percent of Maryland resident minority applicants.

Financial Aid. The school makes available financial aid in the form of scholarships and loans to those students with demonstrable financial need. The amount of the award varies according to the student's needs and the level of funding available. About 50 percent of the students are receiving some degree of financial aid.

The application fee may be waived upon the demonstration of financial need for Maryland residents only.

Information for Minorities. The University of Maryland School of Medicine is committed to attacking the problems created by underrepresentation of disadvantaged students in the applicant pool. The dean for minority affairs actively participates in the search for qualified students and assists the Committee on Admissions in the preliminary appraisal of applications. There is no fixed quota for any special group within the total pool of applicants. Fee waiver is considered for minority applicants from Maryland and Washington, D.C., only.

Further information may be obtained from Dr. Robert Harrell, assistant dean for minority affairs, Room M-006 at the School of Medicine.

Timetable of Application and Acceptance for 1983-84 First-Year Class

School participates in AMCAS. See Chapter 4.

Filing of AMCAS application
  Earliest date: June 15, 1982
  Latest date: Dec. 1, 1982
School application fee to all applicants: $15
Acceptance notice to regular applicants
  Earliest date: Oct. 15, 1982
  Latest date: Aug. 26, 1983
Does have Early Decision Plan (EDP)
  For Maryland residents only
  EDP application period: June 15-Aug. 1, 1982
  Applicants notified by: Oct. 1, 1982
Applicant's response to acceptance offer
  Maximum time: 2 weeks
Deposit to hold place in class (applied to tuition):
  $100, due with response; nonrefundable
Estimated number of new entrants: 175
Starting date: Aug. 25, 1983

Expenses per Year for 1981-82 First-Year Class

Tuition
  Resident: $3,572
  Nonresident: $6,656
Student fees: $485.24
Student must provide microscope
Total average figure for all other expenses:
  $5,000

Information on 1981-82 First-Year Class

Number of	*In-State*	*Out-of-State*	*Total*
Applicants*	780	987	1,767
New Entrants †	170	5	175

*51% were interviewed.

†100% were interviewed and took the MCAT; 99% had baccalaureate degrees.

Uniformed Services University of the Health Sciences School of Medicine

Dr. Jay P. Sanford, Dean
Dr. Lyle Stockmoe, LTC, MSC, USA, Assistant Dean for Admissions
Joan F. Crotty, Assistant Director of Admissions

Address inquiries to:
Admissions Office
Room 1041, Building A
Uniformed Services University
of the Health Sciences
School of Medicine
4301 Jones Bridge Road
Bethesda, Maryland 20814
(301) 295-3101

General Information. Created by public law in 1972, the Uniformed Services University of the Health Sciences (USUHS) was founded to prepare young men and women for careers as health care professionals in the uniformed services. The USUHS School of Medicine admitted its charter class in 1976 and expects to be admitting 175 first-year students annually by the mid-1980s. In 1977 the school moved into its permanent facilities on the grounds of the National Naval Medical Center in Bethesda, Maryland. The school operates in close association with many federal health resources located in the greater Washington area to provide students with a broad range of educational experiences in both the basic sciences and clinical medicine. The school's charter is to provide a comprehensive education in medicine to select individuals who demonstrate potential for, and commitment to, careers as medical officers in the uniformed services.

Curriculum. The school has a four-year program culminating in the doctor of medicine degree. Each of the first three academic years is 48 weeks, and the final year runs 36 weeks. Basic science instruction predominates in the initial two academic years, with the final two years being devoted to clinical education. Basic science instruction is, as appropriate, correlated—both interdisciplinarily and clinically. The integration between the clinical and basic sciences is progressive and proceeds with involvement in patient care activities early in the curriculum, starting with the first semester of the freshman year. While the overall program is designed to educate students to serve as providers of primary health care, there is sufficient flexibility in the curriculum to accommodate differences in interests among students and also sufficient substance to enable graduates to pursue postgraduate activities such as research. Elective courses are offered in clinical and research facilities in this country and in areas of the world where diseases rarely seen in the United States are responsible for 80 percent of the morbidity and mortality. The curriculum also includes basic military orientation and concentration on unique aspects of military medicine. A conventional grading system is employed to record student progress.

Requirements for Entrance. Applicants must be citizens of the United States between the ages of 18 and 28 and must meet the physical and personal qualifications for a commission in the uniformed services. In addition, MCAT scores and a baccalaureate degree are required. One year each of college English, general or inorganic chemistry, organic chemistry, physics, general biology and mathematics is also required. CLEP and advanced placement credits are acceptable for required courses. However, individuals exempted from prerequisites through these programs are encouraged to take formal course work in the same areas at a more advanced level.

Both qualified civilians and military personnel are eligible to apply. However, individuals who are in military service or a program of study sponsored by the Armed Forces (including ROTC and the service academies) must obtain a "Letter of Approval to Apply" from their respective services before making application. (Each military department has established regulations governing the procedures for initiating and processing requests for approval.) Inasmuch as the entering students will be commissioned officers in one of the military services, they must, in addition to demonstrating the academic qualifications for the study of medicine, give evidence of a strong commitment to serving the United States as medical officers.

Selection Factors. The school employs a three-stage, progressive screening process for selecting entrants. The first stage consists of the submission of the standard

AMCAS application form; the second, the submission of secondary materials (three letters of recommendation, a service preference statement, and a personal statement describing the applicant's knowledge of and interest in a career in the service are required); and the third, personal interviews, which are conducted at the medical school campus and at select regional sites. Advancement in the process is competitive, based on candidates' personal and intellectual characteristics. Applicants should not send transcripts, letters of recommendation, or other such materials unless specifically requested to do so by the Committee on Admissions. The Committee on Admissions does not discriminate on the basis of sex, race, religion, marital status, or national origin. The USUHS School of Medicine is a federal institution and does not give any preference based on state of residence.

There were 3,266 applicants for the 1981 first-year class. Of this total, 20 percent were interviewed. Offers to matriculate were extended to 239 students to fill a freshman class of 156 places. All new entrants were interviewed, took the MCAT, and had baccalaureate degrees. The 156 matriculants had the following credentials: *mean GPA*, 3.42; *mean age* at time of application, 22.8 years (range 19 to 30); *sex*, 24 percent women; *undergraduate major*, 36 percent in biology, with chemistry ranking second and engineering (biomedical and mechanical), oceanography, nutrition, physics, business, psychology, and physiology among the other disciplines represented; *residence*, 36 percent from northeastern states, 39 percent from western states, 13 percent from southern states, 12 percent from central states.

Service Benefits and Military Obligation. Upon entering the first-year class of the School of Medicine, the student will be commissioned and will serve on active duty in the grade of second lieutenant in either the Army or Air Force or ensign in the Navy or in the Public Health Service, receiving the appropriate pay and benefits of that grade. There are no tuition charges for attending the School of Medicine. Required books, equipment, and instruments are also furnished without charge.

If current promotion policies continue, the student can expect a promotion in rank to captain in the Air Force or Army or lieutenant in the Navy or Public Health Service upon receipt of the doctor of medicine degree. Graduates are obligated to serve on active duty as medical officers for not less than seven years. The period of time spent in internship or residence training shall not be acceptable toward satisfying this seven-year obligation. A student who is dropped from the program for either academic deficiencies or other reasons may be required to perform active duty in an appropriate military capacity for a period equal to the time spent in the program. However, one year will be the minimum required active duty for persons separated from the school regardless of the time spent in the program.

Information for Minorities. The School of Medicine is a national resource and an affirmative action and equal opportunity employer. Its programs, activities, and facilities are available to all on a nondiscriminatory basis. In the spring of 1980, the school established the Accession of Qualified Underrepresented Applicants (AQUA) program within the Admissions Office. The purpose of this program is to increase the number of qualified minority and women applicants. There is no special admissions committee for minority applicants.

Timetable of Application and Acceptance for 1983-84 First-Year Class

School participates in AMCAS. See Chapter 4.

Filing of AMCAS application
  Earliest date: June 15, 1982
  Latest date: Nov. 1, 1982
School application fee: none
Acceptance notice to regular applicants
  Earliest date: Nov. 15, 1982
  Latest date: varies

Does not have Early Decision Plan
Applicant's response to acceptance offer
  Maximum time: 2 weeks
Deposit to hold place in class: none
Estimated number of new entrants: 176
Starting date: July 10, 1983

Boston University School of Medicine

Dr. John I. Sandson, Dean
Dr. John F. O'Connor, Associate Dean for Admissions

Address inquiries to:
Admissions Office
Boston University
School of Medicine
80 East Concord Street
Boston, Massachusetts 02118
(617) 247-6006

General Information. In 1848 the New England Female Medical College was founded as the first medical college for women in the world. In 1873 the original buildings and endowment were acquired by Boston University, and the name was changed to Boston University School of Medicine. At present the School of Medicine, the School of Graduate Dentistry, and University Hospital compose the Boston University Medical Center. All professional medical activities at Boston City Hospital are vested in the School of Medicine, and that hospital together with 21 other health care facilities affiliated with the Medical Center affords students varied and rich clinical experiences.

Curriculum. The curriculum provides the opportunity to study medicine in a flexible environment that stimulates a spirit of critical inquiry and provides sound knowledge in the biological, social, and behavioral sciences in order to deal with human disease.

During the first year, the basic medical sciences are emphasized in both departmental and interdisciplinary courses. Human development and community medicine are also presented.

The second-year program is a continuation of the basic science courses and the introduction of the clinical sciences and physical diagnosis, which are presented in an integrated multidisciplinary format. During this time the student learns the basic techniques of clinical medicine, including history-taking and physical examination.

The third year represents the major clerkship year. In addition to the conventional clerkships in medicine, surgery, pediatrics, obstetrics, and psychiatry, a clerkship in ambulatory-community care is provided.

The fourth year is devoted to developing specific elective programs under the supervision of a faculty member.

Requirements for Entrance. Applicants are required to have a baccalaureate degree from an approved college of arts and sciences. Occasionally a candidate of unusual ability is accepted after three academic years in an undergraduate school if the minimum entrance requirements of 90 semester hours have been satisfactorily completed. The following courses are required:

	Years
Biology (with lab)	1
Inorganic chemistry (with lab)	1
Organic chemistry (with lab)	1
Physics	1
Humanities	1
English composition or literature	1

A knowledge of a quantitation in chemistry is recommended.

Calculus is recommended but not required.

Applicants are urged to acquire a broad background in the humanities and behavioral and social sciences in their college years.

All required courses must be completed before medical school work begins. If an applicant has been excused from a required college level course, another course at the same or higher level must be substituted. Courses taken in high school do not fulfill the requirements.

The MCAT is required. Applicants are strongly urged to take the MCAT in the spring of the year of application and to have most of their basic science requirements completed at the time of application. Applicants who have not taken the MCAT by the fall will not be considered.

Selection Factors. The Committee on Admissions chooses applicants who seem best qualified not only by scholastic record, college recommendations, and involvement in college and community activities but also by qualities of personality, character, and maturity. A personal interview is an integral part of the admissions process. Applicants who have not heard from the School of Medicine by March 1 and wish to be considered for an interview should contact the Admissions Office. The School of Medicine does not discriminate on the basis of race, sex, age, creed, or national origin.

The School of Medicine received 6,353 applications for the 1981 entering class of 135. Since 54 students entered that class from various combined Boston University liberal arts-medical school programs, the applicants were in effect applying for 81 places. The class had the following characteristics: *mean GPA*, 3.41; *MCAT scores*, average of 9.7 in each subtest; *sex*, 41 women; *minority students*, 18.

Financial Aid. A number of small scholarships and long-term low interest loans are available to those students demonstrating financial need. The school maintains a limited number of part-time jobs which are made available to students on the basis of academic performance and need. It is the policy to assist students in finding part-time employment.

Financial aid is available to students in all four years of the curriculum; more than 60 percent of the students receive financial assistance at some time during their four years of study. The school maintains a Financial Aid Office for the assistance of students and to help direct students to sources of financial aid. Awards are made by the Faculty Committee on Loans and Scholarships based on financial need and, in certain special cases, on academic performance and promise. Applicants who require scholarship and loan assistance may make application after acceptance to the school. Financial need is not considered in the admissions process.

Information for Minorities. Programs for the recruitment and support of minority students have been developed through the Office of Minority Affairs. One of these programs allows students to take special summer courses in anatomy, biochemistry, and knowledge acquisition skills prior to matriculation in the fall. Minority applications are processed through the regular Committee on Admissions in consultation with the Office of Minority Affairs. It is possible to have application fees defrayed.

Timetable of Application and Acceptance for 1983-84 First-Year Class

School participates in AMCAS. See Chapter 4.

Filing of AMCAS application
  Earliest date: June 15, 1982
  Latest date: Nov. 1, 1982
School application fee to all applicants: $50
Acceptance notice to regular applicants
  Earliest date: Oct 15, 1982
  Latest date: varies
Does have Early Decision Plan (EDP)
  EDP application period: June 15-Aug. 1, 1982
  Applicants notified by: Oct. 1, 1982

Applicant's response to acceptance offer
  Maximum time: 2 weeks
Deposit to hold place in class: none
  (Nonrefundable $500 tuition payment due June 15)
Estimated number of new entrants: 135
Starting date: Sept. 6, 1983

Expenses per Year for 1981-82 First-Year Class

Tuition: $11,100
Student fees: $480
Microscope rental available from school: $220
Total average figure for all other expenses: $6,800

Information on 1981-82 First-Year Class

Number of	*In-State*	*Out-of-State*	*Total*
Applicants*	660	5,693	6,353
New Entrants †	54	81	135

*9.5% were interviewed.

†100% were interviewed, took the MCAT, and had baccalaureate degrees.

Harvard Medical School

Dr. Daniel C. Tosteson, Dean
Dr. Oglesby Paul, Director of Admission

Address inquiries to:
Admissions Office
Harvard Medical School
25 Shattuck Street
Boston, Massachusetts 02115
(617) 732-1550

General Information. Harvard Medical School, an integral part of Harvard University, was established in 1782. It has occupied its present site in the Longwood Quadrangle since 1906, where its library facilities for both preclinical teaching and research are located. Clinical teaching is carried out in several general and specialized hospitals, including Massachusetts General, Brigham and Women's, Children's, and Beth Israel hospitals. Vanderbilt Hall (adjoining the Medical School) provides a cafeteria and living facilities for single students; apartments for married students may be found nearby.

Curriculum. The curriculum is flexible and is designed to take advantage of the great variety of interests, educational backgrounds, and career goals presented by a diverse and talented student body. The four-year plan of instruction permits a student a wide choice of courses within broadly defined disciplines and, under the guidance of the student's adviser, encourages the development of an individualized program. The first 18 months are largely preclinical. The remaining time (approximately 27 months) is predominantly clinically oriented. Each student is assigned an academic adviser, who remains available throughout the four years to aid in planning the student's overall program of instruction. During the first year, students are also assigned a tutor, usually a young clinician, whose role it is to provide insight into the way physicians function and how their knowledge and skills are applied. Courses may be taken in other schools of the university (School of Public Health, John Fitzgerald Kennedy School of Government, Graduate School of Arts and Sciences) and at the Massachusetts Institute of Technology.

Twenty-five of the 165 students admitted each year have applied for and are admitted to the Harvard-M.I.T. Division in Health Sciences and Technology. This program, developed jointly by faculty members of Harvard and M.I.T., is oriented toward students with a strong background in science and designed to develop physicians with a firm quantitative scientific base whose careers will emphasize academic research. The curriculum encourages advanced study in fields related to medicine, and students spend half their elective time in a field of concentration.

At the end of the second year, qualified students also may be admitted to a joint M.D.-Ph.D. program established for students who plan a career in academic medicine and who wish to combine this type of intensive scientific training with their medical school experience. Degrees may be obtained in any of the nine degree-granting departments or committees of the Division of Medical Sciences.

Requirements for Entrance. The MCAT and at least three years of college are required; four years of college are recommended. Required courses are:

Biology: One full-year course in college preferably with laboratory experience, dealing with the cellular and molecular aspects as well as the structure and function of living organisms.

Chemistry: Two full years of chemistry in college, including full-year courses in both inorganic and organic chemistry. Students awarded advanced placement in chemistry because of courses taken in high school may substitute biochemistry or physical chemistry for the regular course in inorganic chemistry.

Mathematics: One year of calculus (including both differential and integral calculus) which may be taken in either secondary school or college. Although a course in statistics is advantageous it cannot be substituted for the calculus requirement.

Physics: One full-year course in college.

English: At least one year in college of either English composition or a study of English or American literature.

The science and English requirements are not met through advanced placement.

Other recommended courses include introductory psychology and a generous exposure to the humanities and social sciences.

Applicants may major in science or nonscience areas; the Committee on Admission has no preference in this regard. Honor courses and independent study are encouraged.

Personal interviews are scheduled selectively by the Committee on Admission and include regional interviews for those applicants who are unable to come to Boston.

Applications cannot be considered from candidates who have been refused admission on two prior occasions.

Selection Factors. The exemplary physician is characterized by integrity, intelligence, judgment, compassion, and dedication. These are among the qualities that the Committee on Admission looks for when considering each applicant. There are no residence requirements for applicants who are U.S. citizens, and the Committee on Admission invites applicants from all sections of the country. Only under unusual circumstances can a non-U.S. citizen applicant be admitted.

The Harvard Medical School complies with federal and state law prohibiting discrimination against any applicant or enrolled student on the basis of race, religion, sex, age, or handicap. In order to increase the number of physicians from those segments of society which historically have had few members in the field of medicine, the Committee on Admission is glad to review applications from women, minority groups, the handicapped, and the economically deprived.

Financial Aid. The financial needs of a candidate are not considered during the selection process. Although the amount of available funds for loans and scholarships is not sufficient to meet the total need of students, a vigorous effort is made to assist accepted applicants in meeting their medical education costs through loans, medically related employment, and scholarships.

Timetable of Application and Acceptance for 1983-84 First-Year Class

Request for application
  Latest date: Oct. 1, 1982
Application fee: $40 payable with request
Filing of application
  Earliest date: May 1982
  Latest date: Oct. 15, 1982
Acceptance notice to regular applicants
  Earliest date: varies
  Latest date: Feb. 18, 1983 (approx.)

Does not have Early Decision Plan
Applicant's response to acceptance offer
  Maximum time: 3 weeks
Deposit to hold place in class: none
Estimated number of new entrants: 165
Starting date: Sept. 1983

Expenses per Year for 1981-82 First-Year Class

Tuition: $8,900
Student fees: $550

Microscope rental available from school: $165
Total average figure for all other expenses: $6,245

Information on 1981-82 First-Year Class

Number of	*In-State*	*Out-of-State*	*Total*
Applicants*	332	3,592	3,924
New Entrants †	15	151	166

*23.5% were interviewed.

†100% were interviewed and took the MCAT.

University of Massachusetts Medical School

Dr. Robert E. Tranquada, Chancellor/Dean
Dr. N. Lynn Eckhert, Associate Dean
for Admissions
Lee Hanshaw, Director of Financial Aid

Address inquiries to:
Associate Dean for Admissions
Medical School Admissions
University of Massachusetts Medical School
55 Lake Avenue, North
Worcester, Massachusetts 01605
(617) 856-2323

General Information. The University of Massachusetts Medical School graduated its first class in May 1974. The Medical School is located on the Worcester campus in a new physical facility which combines basic and clinical sciences with a 320-bed hospital. Clinical teaching is presently conducted in the University of Massachusetts Medical Center and in affiliated community hospitals in Worcester, Springfield, and Pittsfield.

Curriculum. The curriculum of the first two years focuses on basic sciences, with special attention to clinical correlation of the subject matter. Emphasis in the first year is on normal structure and function, and there are a three-week field clerkship in family and community medicine and a course in human genetics. Emphasis in the second year is on the etiology of disease, pathophysiology, pharmacology, and clinical diagnosis. There is also an introduction to epidemiology, preventive medicine, and medical care. In both years the psychiatry staff presents a series of discussions of emotional development, emotional problems, and the patient interview technique.

The third and fourth years are treated as a continuum with 48 weeks of clinical clerkships and field work in community and family medicine. Five months are reserved for clinical and preclinical elective experiences.

A combined M.D.-Ph.D. program in basic medical sciences is also offered.

Requirements for Entrance. The MCAT is required. All applicants must have three years of college; a bachelor's degree is recommended. Required courses are:

	Years
Biology (with lab)	1
Inorganic chemistry (with lab)	1
Organic chemistry (with lab)	1
Physics (with lab)	1
English	1

Credit for any secondary school course may be given only if such credit appears on the college transcript. Applicants may major in the areas of either sciences or humanities, and in either case independent study is encouraged. Students able to do so are encouraged to take such courses as biochemistry, calculus, statistics, sociology, or psychology. Applicants are encouraged to complete the basic science requirements by the time of application since consideration will be delayed if required courses are in progress.

Selection Factors. Current policy limits admission to students who are Massachusetts residents. The Committee on Admissions bases its evaluation of applicants on academic achievement, scores on the MCAT, and such factors as extracurricular activities, maturity, motivation, and character as these are reflected in letters of recommendation from preprofessional advisory committees and other persons. Interviews are arranged for candidates deemed most likely to be admitted. Applicants are selected on the basis of their individual merits without regard to race, sex, creed, or national origin.

Application is made through AMCAS. All supplementary materials must be received by February 1.

Accepted students for the class entering September 1981 had the following credentials: *science GPA*, approximately 3.5; *sex*, 42 percent women; *undergraduate major*, 87 percent in science and 13 percent in nonscience.

Financial Aid. Long-term, low interest loans and scholarships are available upon application to the financial aid office after a student has been accepted for admission. A few local scholarships ranging from $100 to $1,000 are available. About 70 percent of the students receive aid at some time during their medical education. All awards are based on policy established by the Committee on Financial Aid and based on financial need. Although work-study is available, outside work during the school year is not required.

Information for Minorities. Applications from members of minority groups who are legal residents of Massachusetts are encouraged.

Timetable of Application and Acceptance for 1983-84 First-Year Class

School participates in AMCAS. See Chapter 4.

Filing of AMCAS application
  Earliest date: June 15, 1982
  Latest date: Nov. 1, 1982
School application fee to all applicants: $18
Acceptance notice to regular applicants
  Earliest date: varies
  Latest date: varies

Does have Early Decision Plan (EDP)
  For Massachusetts residents only
  EDP application period: June 15-Aug. 1, 1982
  Applicants notified by: Oct. 1, 1982
Applicant's response to acceptance offer
  Maximum time: 2 weeks
Deposit to hold place in class: none
Estimated number of new entrants: 100
Starting date: Sept. 7, 1983

Expenses per Year for 1981-82 First-Year Class

Tuition

The Massachusetts legislature requires the University of Massachusetts Board of Trustees to enter into a learning contract with all incoming medical students. Students sign these contracts on an annual basis. Under the contract, the tuition rate for the first year for students who entered in September 1981 is as follows:

	Total	*Due Immediately*	*Future Obligation*
1981-82 entering class			
First year	$4,740	$1,580	$3,160

The total future obligation will be canceled if the student agrees to provide one full year of service in the commonwealth. The year of service must begin two years following completion of internship and residency or one year following completion of service obligations resulting from governmentally sponsored loan programs. This service may be in practice, research, teaching, or administration, consistent with the student's training and approved by the chancellor/dean of the Medical School. The service may be at any medically underserved location within the commonwealth.

For those students who do not elect to provide one full year of service, payment will begin within two years of completion of internship and residency for a period of up to 10 years.

Only Massachusetts residents are admitted.

Student fees: $135
School provides microscope; maintenance fee included in student fees
Total average figure for all other expenses: $7,100

Information on 1981-82 First-Year Class

Number of	*In-State*	*Out-of-State*	*Total*
Applicants*	935	0	935
New Entrants †	101	0	101

*45% were interviewed.

†100% were interviewed, took the MCAT, and had baccalaureate degrees.

Tufts University School of Medicine

Dr. Robert I. Levy, Vice President for Health Sciences and Dean
Dr. Leo R. Sullivan, Assistant Dean for Academic and Student Affairs
Everett E. Hicks, Director of Financial Aid

Address inquiries to:
Committee on Admissions
Tufts University
School of Medicine
136 Harrison Avenue
Boston, Massachusetts 02111
(617) 956-6571

General Information. Tufts University was founded in 1852 as a liberal arts college in Medford, Massachusetts, and has since grown into a modern university whose School of Medicine was established in Boston in 1893. The medical school buildings, located in the center of Boston, house the preclinical departments, research laboratories, administrative offices, seminar rooms, lecture rooms, and the library. Close association of the School of Medicine with 30 hospitals affords ample facilities for clinical experience. Rooms and apartments are available close to the school and throughout greater Boston. A Student Health Service provides ambulatory care during the school year. Additional medical care is afforded through the Student Health Insurance Plan.

Curriculum. The medical school curriculum has been designed to provide a sound foundation in basic science and in clinical experience, both equally necessary for the multiple career choices now open to students of medicine, and to accommodate the increasing variety of backgrounds of incoming students. The first six months of the program consist of an introduction to clinical medicine; biochemistry, which is tailored to different groups of students by means of qualifying examinations taken at the beginning of the first semester; courses in human anatomy and human histology; and a variety of clinical or basic science electives. Tissue level studies, general pathology, immunology, infectious disease, and hematology follow. The second year consists of systems teaching, wherein the various physiological systems of the body are studied. In each system there is a review of the gross and microscopic anatomy, the physiology, and the pathology of the system. The third phase includes clinical clerkships in medicine, surgery, obstetrics, gynecology, pediatrics, and psychiatry in the third year and a fourth year in which students select courses of study that will best further their objectives. These elective experiences may be in basic science, the clinic, research laboratories at the medical school, or affiliated hospitals. Qualified students may elect a program leading to both Ph.D. and M.D. degrees.

The Curriculum Committee is conducting a formal review of the current educational program. It is expected that this review will take some time to complete and that modifications to the curriculum will continue for several years.

Requirements for Entrance. The MCAT and a minimum of three years in a college are required. Preference is given to applicants who will receive the bachelor's degree before matriculation. College credits must include:

Biology: At least a full-year college course with laboratory exercises.
Chemistry: The equivalent of two years of chemistry in college, divided between inorganic and organic, with laboratory exercises in each. Some experience in quantitative analysis either as a separate course or a part of general chemistry is required.
Physics: At least a full-year college course with laboratory.
English: Facility in the use of speech and composition is required.

A course in classical genetics is recommended.

Since a physician should have a broad cultural background, concentration in biology, physics, and chemistry is not required. College courses in history, economics, sociology, mathematics, advanced chemistry, advanced physics, and philosophy are of greater value than courses that attempt to anticipate material that will be covered in medical school. However, a background that includes supportive or preparatory courses in biochemistry and genetics is helpful.

Selection Factors. Students are selected on the basis of personality, motivation, and intellect as well as success in their undergraduate work. Tufts University has a strong commitment to affirmative action for members of minority groups and for students with handicaps. Within its financial resources, Tufts is seeking a student body that more adequately reflects the proportion of minority and handicapped persons in the general population. In addition, the university is committed to doing as much as it can to provide an atmosphere of nondiscrimination for members of minority groups and to provide an accessible campus and support services for handicapped persons. Although there are no state residency requirements, an effort is made to identify qualified applicants from New England. Should an interview be desired, the applicant will be notified.

Few students with GPAs below 3.0 are admitted.

Financial Aid. Limited scholarship and loan assistance is available for students who qualify on the basis of need and who are citizens or permanent residents of the United States. Approximately 25 percent of the students receive financial aid from the school at some time during their four years of study.

There are no rules prohibiting outside employment; however, first- and second-year students are urged not to seek outside work. Some opportunities for part-time employment are available in the various hospitals and in the medical school.

In situations of extreme financial need the $50 application fee may be waived if AMCAS has first granted a similar waiver.

Timetable of Application and Acceptance for 1983-84 First-Year Class

School participates in AMCAS. See Chapter 4.

Filing of AMCAS application
  Earliest date: June 15, 1982
  Latest date: Nov. 1, 1982
School application fee to all applicants: $50
Acceptance notice to regular applicants
  Earliest date: Dec. 15, 1982
  Latest date: varies

Does have Early Decision Plan (EDP)
  EDP application period: June 15-Aug. 1, 1982
  Applicants notified by: Oct. 1, 1982
Applicant's response to acceptance offer
  Maximum time: 2 weeks
Deposit to hold place in class (applied to tuition): $100, due July 1, 1983; nonrefundable
Estimated number of new entrants: 146
Starting date: Aug. 30, 1983

Expenses per Year for 1981-82 First-Year Class

Tuition: $12,125
Student fees: $487

Student must provide microscope
Total average figure for all other expenses: $7,000

Information on 1981-82 First-Year Class

Number of	*In-State*	*Out-of-State*	*Total*
Applicants*	847	6,370	7,217
New Entrants †	71	75	146

*15% were interviewed.

†100% were interviewed, took the MCAT, and had baccalaureate degrees.

Michigan State University College of Human Medicine

Dr. W. Donald Weston, Dean
Dr. John B. Molidor, Assistant Dean for Admissions and Student Affairs
Dr. Wanda D. Lipscomb, Director of Recruitment

Address inquiries to:
College of Human Medicine
Office of Admissions
B-106 Clinical Center
Michigan State University
East Lansing, Michigan 48824
(517) 353-9620

General Information. The College of Human Medicine is a four-year medical school of comparatively small size with the resources of one of the nation's largest universities at its disposal. It was established by the state of Michigan to produce more practicing physicians and to develop and implement programs in medical education and research.

Curriculum. The curriculum is divided into three phases: an introductory phase, a phase integrating the basic biological and behavioral sciences with clinical training and problem-solving skills, and a phase in which the student concentrates primarily on clinical training.

Phase I is a one-term experience in which the student becomes oriented to the medical process. The goal is to impart to students the notion of drawing upon a variety of disciplines essential to the solution of patient problems. Interviewing skills and work with live anatomical models are stressed in this phase along with an introductory course in cell biology.

To meet the needs of individuals with different learning styles, Phase II is offered in two tracks, one of which is primarily lecture and laboratory in basic science courses, and the other a small group, problem-solving track which continues the approach initiated in Phase I.

Phase III can normally be completed within six or seven terms and is spent in one of the community hospitals associated with the college. Students usually live in the community for the total period of clinical training. The community physicians work closely with community-based members of the college to provide a unique learning environment.

Requirements for Entrance. The MCAT and three years of college are required. The majority of accepted students will have a B.A. or B.S. degree. Nearly one-fourth of the 1981 entering class had some postbaccalaureate studies.

Academic major is not a critical factor for admission; a solid background in the arts, humanities, or social sciences will be of as much value to the future doctor as strong preparation in the biosciences.

Specific course requirements are:

Biological sciences: At least 6 semester- or 9 term-credits; 3 semester- or 5 term-credits must be lab work.
Chemistry: At least 8 semester- or 12 term-credits, including both inorganic and organic chemistry; 3 semester- or 5 term-credits must be lab work.
Physics: At least 6 semester- or 9 term-credits, including lab work.
English composition and literature: At least 6 semester- or 9 term-credits.
Psychology and/or sociology: At least 6 semester- or 9 term-credits.
Nonscience areas: At least 18 semester- or 27 term-credits. These may include the English and social sciences requirements.

Selection Factors. All application materials are reviewed prior to an initial decision. Applicants are required to submit an autobiographical statement specifying their reasons for wishing to be a physician as well as their reasons for selecting Michigan State University (MSU). Because MSU is a state-assisted institution, enrollment of nonresidents is limited. No more than 15 percent of the entering class is from outside the state of Michigan.

The college seeks to admit a class that is not only academically competent but also representative of a wide spectrum of personalities, backgrounds, talents, and motivations. Students who have the desire and the aptitude to become physicians but who have experienced unequal educational opportunities because of social, cultural, or racial reasons are especially encouraged to apply.

From the more than 2,100 applicants reviewed by the Committee on Admissions, 300 applicants are invited to East Lansing for interviews with committee members. Selection is based on many factors, including the GPA, both year to year and cumulative; MCAT scores; autobiographical statement; relevant work experience in health-related and other occupations or positions; interviewer's assessments of motivation, ability to communicate, problem-solving ability, maturity, and suitability for the MSU program; state of residence; and potential to contribute to the overall qualities of the entering class.

Financial Aid. Information about specific scholarships and about financial aid can be obtained from the Office of Financial Aids, 259 Students Services Building. Acceptance to the class is not based on the individual's ability to pay. However, financial aids are limited, and the responsibility for adequate funding must rest with the student.

The MSU Graduate School provides limited financial aid for students who show strong desire and aptitude for becoming physicians but who have previously been denied equal education opportunities for social, cultural, or racial reasons.

Information for Minorities. Although the college does not have a separate review for minority applicants, minority and other nontraditional students have been very competitive, and the college has a substantial enrollment of such students. The 1981 entering class had a minority enrollment of 20 percent Afro-American, Spanish-speaking, and native American students.

Questions about programs and opportunities which the College of Human Medicine affords the qualified minority applicant should be addressed to Dr. Wanda D. Lipscomb, director of recruitment. Questions regarding admissions procedures or criteria for minority applicants should be sent to Dr. John B. Molidor, assistant dean for admissions and student affairs.

Timetable of Application and Acceptance for 1983-84 First-Year Class

School participates in AMCAS. See Chapter 4.

Filing of AMCAS application
  Earliest date: June 15, 1982
  Latest date: Nov. 15, 1982
School application fee after screening: $20
Acceptance notice to regular applicants
  Earliest date: Oct: 15, 1982
  Latest date: varies
Does have Early Decision Plan (EDP)
  EDP application period: June 15-Aug. 1, 1982
  Applicants notified by: Oct. 1, 1982
Applicant's response to acceptance offer
  Maximum time: 2 weeks
Deposit to hold place in class (applied to tuition):
  $50, due with response
Deposit refundable prior to: July 15, 1983
Estimated number of new entrants: 105
Starting date: Sept. 23, 1983

Expenses per Year for 1981-82 First-Year Class

Tuition and fees
  Resident: $3,715
  Nonresident: $7,510
School provides microscope without charge
Total average figure for all other expenses:
  $5,500

Information on 1981-82 First-Year Class

Number of	*In-State*	*Out-of-State*	*Total*
Applicants*	1,239	873	2,112
New Entrants †	90	16	106

*15% were interviewed.

†100% were interviewed and took the MCAT; 99% had baccalaureate degrees.

The University of Michigan Medical School

Dr. John A. Gronvall, Dean
Dr. Margaret J. Hunter, Assistant Dean and Chairman, Admissions Committee
Diane Samples, Financial Aid Officer

Address inquiries to:
Admissions Office
M4303 Medical Science Building I
The University of Michigan Medical School
1335 East Catherine Street
Ann Arbor, Michigan 48109
(313) 764-6317

General Information. The University of Michigan was founded in 1817, and the first class of medical students matriculated in 1850. Since 1866 the entering classes have been among the largest in the United States. This is a reflection of the extensive resources offered by the school. In 1869 the regents provided the faculty of medicine with a hospital to serve the school's clinical programs. The medical center has approximately 1,000 hospital beds and extensive research facilities. In addition to the medical students, more than 600 house officers are appointed to training programs under the auspices of the medical faculty.

Curriculum. The curriculum is designed to provide the medical science and clinical background necessary for all physicians. In addition, the individuality of each student's education is recognized. Research opportunities exist for all interested students. The fourth year is elective; students select, with faculty advice, programs consonant with their specific career goals. During the clinical years, students may be required to accept assignments to hospitals affiliated with the Medical School but located outside Ann Arbor. Opportunities exist to pursue a combined M.D.-Ph.D. curriculum, either as a fellow in the Medical Scientist Training Program (MSTP) or as a graduate student in one of the basic science departments.

Fifty highly qualified high school graduates who have been accepted by the University of Michigan College of Literature, Science, and the Arts will be admitted to the six-year Integrated Premedical-Medical Program leading to both a liberal education and the medical degree.

Requirements for Entrance. The MCAT and a minimum of 90 semester hours of university work are required. The specific course requirements are:

	Sem. hrs.
Biology (with 3 hrs. lab)	6
General/inorganic and organic chemistry (each with lab)	8
Physics (with lab)	6
English composition and literature	6
Nonscience/humanities	18

In addition, the faculty recommends that students take advanced course work in biology (especially zoology) and/or chemistry.

The school welcomes students with academic interests in various fields of study.

Selection Factors. The Admissions Committee has the responsibility to select from each year's applicants those whose talents, skills, interests, and personal fitness indicate they will succeed in the study and practice of medicine. As part of a state university, the Medical School gives strong preference to applicants who are residents of Michigan.

The Admissions Committee considers that all information pertaining to the ability, personality, and character of the applicant is relevant. Women are admitted on the same basis as men. Scores on the MCAT are given serious attention. Most accepted applicants have at least a B+ undergraduate average. The mean undergraduate GPA for students admitted in 1981 was 3.62. Reports from college instructors, especially those who have had considerable experience in evaluating premedical students, are important. While only three years of undergraduate work are required, the Admissions Committee gives preference to applicants who will have completed four years by the time of matriculation.

An interview is offered to each student the Admissions Committee wishes to consider seriously after the original screening of credentials. The interview is usually held in Ann Arbor. All students are considered on the basis of individual qualifications.

The committee is unable to accept applications from students who have not had at least one year, and preferably two years, of their premedical training at an accredited U.S. or Canadian college. Foreign nationals must have a permanent resident visa in the United States.

Any applicant who has been enrolled previously in a medical school in a program leading to the M.D. degree must be in good standing and eligible for reentry to that school in order to be considered for admission to the University of Michigan Medical School.

The Medical School participates in the Early Decision Program. To be eligible for consideration an applicant must be well qualified, and all supporting materials must be received in the Admissions Office by September 1.

For the large number of applicants who do not pass the school's initial screening, no application fee is charged; all other applicants must pay $20 upon request.

In accordance with an administrative regulation issued November 15, 1966, Social Security numbers will be used for identification purposes in university records (use is mandatory).

Financial Aid. Application for financial aid may be initiated following acceptance to the school. Loan funds and some scholarships are available to assist registered students with tuition expense and a share of their living expenses. It is the policy of the Financial Aid Committee that no students should be required to interrupt their education solely for financial reasons.

Information for Minorities. Applications from members of the ethnic minority groups which are underrepresented in medicine are encouraged. An Opportunity Award Program authorized by the regents of the university provides a degree of financial support for economically disadvantaged students.

Timetable of Application and Acceptance for 1983-84 First-Year Class

School participates in AMCAS. See Chapter 4.

Filing of AMCAS application
  Earliest date: June 15, 1982
  Latest date: Dec. 15, 1982
School application fee after screening: $20
Acceptance notice to regular applicants
  Earliest date: varies
  Latest date: Sept. 1, 1983
Does have Early Decision Plan (EDP)
  EDP application period: June 15-Aug. 1, 1982
  Applicants notified by: Oct. 1, 1982

Applicant's response to acceptance offer
  Maximum time: flexible
Deposit to hold place in class (applied to tuition): $100, due with response
Deposit refundable prior to: May 1, 1983
Estimated number of new entrants: 237 (includes third-year students in Integrated Premedical-Medical Program)
Starting date: Aug. 1983

Expenses per Year for 1981-82 First-Year Class

Tuition
  Resident: $4,092
  Nonresident: $7,880
Student fees: $140

School provides microscope without charge
Total average figure for all other expenses: $4,885

Information on 1981-82 First-Year Class

Number of	*In-State*	*Out-of-State*	*Total*
Applicants*	1,271	1,778	3,049
New Entrants †	170	21	191

*26% were interviewed.

†100% were interviewed and took the MCAT; 95% had baccalaureate degrees.

Wayne State University School of Medicine

Dr. Henry L. Nadler, Dean
Dr. Charles C. Vincent, Associate Dean for Admissions
Matilda S. Graff, Financial Aid Officer

Address inquiries to:
Director for Admissions
Wayne State University
School of Medicine
540 East Canfield
Detroit, Michigan 48201
(313) 577-1466

General Information. The School of Medicine, which originated in 1868, is the oldest component of Wayne State University. It is located in the 236-acre Detroit Medical Center. This center is presently composed of a basic science building (Scott Hall) containing modern teaching facilities for the first two years of medical school; the Shiffman Medical Library; a Medical Research Building; Harper/Grace, Hutzel, and Children's hospitals; Detroit Receiving Hospital/University Health Center (an ambulatory care facility); and the Rehabilitation Institute. The Detroit Medical Center hospitals and Lafayette Clinic (a psychiatric research and treatment facility) are the major clinical teaching units of the school. In addition, the medical school is affiliated with Sinai, Veterans Administration, Saint John, William Beaumont, Providence, Saint Joseph Mercy, and Mt. Carmel hospitals.

Curriculum. The subject matter of the first two years is presented in an interdisciplinary manner, and students start their hospital assignments during the second year. A highlight of the junior year is experience in family medicine. The senior year is entirely elective. Senior students must select at least 20 weeks of electives at the university. Twelve weeks of electives can be taken at other medical institutions with the approval of the adviser and the respective departmental chairman at Wayne State University.

A combined M.D.-Ph.D. program is available, and arrangements for the dual degree program can be made during the freshman year.

Requirements for Entrance. The MCAT is required in addition to a baccalaureate degree or its equivalent; however, the Committee on Admissions is prepared to review the records of third-year students with unusual academic attainment. It is strongly recommended that most of the science requirements be completed at the time of application and prior to taking the MCAT. The MCAT should be taken during the year of application, preferably in the spring. The specific requirements are:

	Years
General biology or zoology (with lab)	1
Inorganic chemistry (with lab)	1
Organic chemistry (with lab)	1
General physics (with lab)	1
English	1
Human genetics	(1 course)

Besides a strong preparation in the basic sciences, a broad educational background in a liberal arts oriented program is desirable. Applicants are encouraged to select subjects that will contribute substantially to a broad cultural background. Some courses in psychology and social sciences are recommended.

Selection Factors. The Committee on Admissions will select those applicants who, in its judgment, will make the best students and physicians. Consideration is given to the entire record, MCAT scores, college recommendations, and interview results as these reflect the applicant's personality, maturity, character, and suitability for medicine. The mean GPA for students admitted in 1981 was 3.62. Special consideration is given to candidates from areas where there is a shortage of physicians.

As a state supported school, the institution must give preference to Michigan residents. Out-of-state applicants are encouraged, however, as the school will offer up to 15 percent of the freshman places to nonresidents. Nonresidents generally must have a GPA of 3.5 or better. Nonresidents with past links to the state of Michigan are carefully reviewed. An applicant's residency is determined by university regulations. Students whose educational backgrounds include work outside the United States must have completed at least the last two years of their undergraduate training at a U.S. college. Applicants must hold U.S. permanent resident or citizenship status. Interviews are required but only scheduled with those applicants who are given serious consideration. Ordinarily, interviews are held in Detroit.

It is the intent of the Admissions Committee to make final selections by March 1, 1983. Therefore, students are urged to apply by November 1, 1982.

Financial Aid. Loan and scholarship funds are awarded on the basis of financial need to assist U.S. citizens with tuition and a portion of their living expenses. Approximately 90 percent of the applicants requesting financial assistance receive aid from the School of Medicine. In addition, students may borrow from the federal Guaranteed Student Loan Program through their bank or the state direct loan program. Short-term loans are available for emergency purposes. College Work-Study Program jobs and summer fellowships are available for eligible students.

Financial aid awards administered by the School of Medicine are made by the financial aid officer on the basis of guidelines established by the Committee on Financial Aid and Scholarships, which includes student representation. Application forms are mailed to students after they have secured their acceptance to the school but no earlier than the January preceding their matriculation.

Information for Minorities. The school is committed to attracting minority students. Special programs to guide and inform minority students and isolate possible financial concerns are available. There is no discrimination on the basis of race, sex, creed, national origin, age, or handicap.

Timetable of Application and Acceptance for 1983-84 First-Year Class

School participates in AMCAS. See Chapter 4.

Filing of AMCAS application
  Earliest date: June 15, 1982
  Latest date: Dec. 15, 1982
School application fee after screening: $15
Acceptance notice to regular applicants
  Earliest date: Oct. 15, 1982
  Latest date: Sept. 15, 1983
Does have Early Decision Plan (EDP)
  For Michigan residents only
  EDP application period: June 15-Aug. 1, 1982
  Applicants notified by: Oct. 1, 1982

Applicant's response to acceptance offer
  Maximum time: 2 weeks
Deposit to hold place in class (applied to tuition): $50, due within 2 weeks from date of offer; nonrefundable
Estimated number of new entrants: 256
Starting date: Sept. 6, 1983

Expenses per Year for 1981-82 First-Year Class

Tuition
  Resident: $4,330
  Nonresident: $8,630
Student fees: $110

Microscope rental available from school: $110
Total average figure for all other expenses: $6,250

Information on 1981-82 First-Year Class

Number of	*In-State*	*Out-of-State*	*Total*
Applicants*	1,392	573	1,965
New Entrants †	248	2	250

*29% were interviewed.

†100% were interviewed and took the MCAT; 99% had baccalaureate degrees.

Mayo Medical School

Dr. John T. Shepherd, Dean
Dr. Joseph M. Kiely, Associate Dean for Student Affairs
Dr. Merlin M. Mitchell, Administrative Officer
for Admissions and Records

Address inquiries to:
Admissions Committee
Mayo Medical School
200 First Street, S.W.
Rochester, Minnesota 55905
(507) 284-2316

General Information. The opening of Mayo Medical School in 1972 continued Mayo's educational programs which began in the early 1900s. These programs were first formalized in 1914 when what is now the Mayo Graduate School of Medicine was established.

Mayo Medical School is a component of Mayo Foundation. It is affiliated academically with the University of Minnesota and receives support from the state of Minnesota for students who are state residents.

Resources of Mayo Medical School include: 270,000 Mayo Clinic patient registrations per year; two Mayo-affiliated hospitals, St. Marys and Rochester-Methodist, with facilities for clinical research; community medical and health resources in Rochester; two rural health facilities; and affiliations with 75 physicians who practice in surrounding communities. The faculty is drawn from the clinical and scientific staff of Mayo Clinic and augmented by area family physicians, pediatricians, and internists.

Curriculum. The first-year curriculum (11 months) provides for integrated study of the several laboratory and clinical sciences. The curriculum is organized around an organ system (for example, cardiovascular system, respiratory system, and endocrine system). Study of an individual patient's illness is introduced when such an approach affords opportunity to apply basic pathophysiological concepts. The student begins to learn skills in interviewing and examining patients.

The second year is devoted to introductory clerkships in medical and surgical fields, seminars, courses, and clinical experience in medical specialties.

The third and fourth years are designed to permit the student to develop an academic major in a clinical or scientific discipline. During half of the junior year the student pursues a science major, which may include a research project in Mayo laboratories. About 170 Mayo scientists in 30 disciplines offer ongoing or new research experiences in which students are eligible to participate. In the other half of the junior year, students refine clinical skills on a one-to-one basis with Mayo Clinic physicians in the hospital and outpatient setting through clerkships in medicine, surgery, obstetrics and gynecology, pediatrics, and neurology. The fourth year consists primarily of elective hospital-based clerkships.

Numerous educational experiences available primarily to residents and graduate students are open to medical students. The teaching of ethical concepts is integrated into the curriculum as appropriate; in addition, seminars on Human Values in Medicine are held monthly throughout the academic year.

Formal evaluations are indicated as satisfactory/marginal/unsatisfactory and are supplemented by narrative comments by faculty, which indicate areas of excellence or of deficiency.

Requirements for Entrance. The MCAT is required. Owing to the nature of the application process, students who take this test in the spring of the year in which they are applying have an advantage over those who wait until the fall. Nearly all accepted applicants have completed four years of college work in an accredited institution. A baccalaureate degree is recommended. No one major field is preferred over another.

College work must include:

	Years
Biology and/or zoology	1
Chemistry	2
Must include organic chemistry.	
Physics	1

A course in cell biology is strongly recommended.

Beyond the requirements, Mayo Medical School looks for students whose individual talents differ widely and who have demonstrated interests in the humanities and social sciences. Selection of college courses offers an opportunity for personal choice that the Admissions Committee would not limit or impose upon except as stated above.

Selection Factors. In evaluating candidates, the entire academic record, results of aptitude tests, evaluation by faculty, letters of recommendation, and personal interview are considered. Preferential consideration is given to Minnesotans. Only a small number of positions are available for out-of-state candidates (five out of 40 in 1982). Out-of-state applicants should realize that in view of the slight chance for appointment, high GPAs and MCAT scores alone are not enough to qualify. Foreign applicants cannot be considered for appointment at this time. Students who have applied unsuccessfully one year should not reapply unless they have significantly improved their applications by higher scores, additional successful study, and/or pertinent employment experiences.

There are no formal programs for advanced standing or transfer. Only rarely does possession of an advanced degree allow acceleration of the curriculum.

Some characteristics of the students accepted for the 1981 entering class were: *mean GPA*, 3.63; *mean MCAT scores*, above 10 in all categories; *sex*, 23 percent women.

Financial Aid. Students are appointed to Mayo Medical School without regard to their financial circumstances. However, students are expected to use their own and family resources based on analysis by a national organization, GAPSFAS (see Chapter 6). Also, while a few grants are available for especially needy students, almost all financial aid is given in the form of loans.

Some loan funds to augment the federal programs of financial aid are available from private sources. Applicants must fill out a statement of resources and needs. Specific financial needs of first-year students cannot be addressed until the entire class is chosen and total needs and resources can be assessed. However, individual counsel is available to accepted applicants.

Most students will find it difficult to work, although a few jobs are available that do not impose unduly on necessary study time.

Information for Minorities. Mayo Medical School seeks qualified applicants from minority groups underrepresented in medicine. In instances in which a personal interview would be a financial hardship, funds may be available to defray the cost. Tutoring is available to all students.

Timetable of Application and Acceptance for 1983-84 First-Year Class

School participates in AMCAS. See Chapter 4.

Filing of AMCAS application
  Earliest date: June 15, 1982
  Latest date: Nov. 15, 1982
School application fee: none
Acceptance notice to regular applicants
  Earliest date: Oct. 15, 1982
  Latest date: class starting date

Does not have Early Decision Plan
Applicant's response to acceptance offer
  Maximum time: 2 weeks
Deposit to hold place in class: none
Estimated number of new entrants: 40
Starting date: Sept. 6, 1983

Expenses per Year for 1981-82 First-Year Class

Tuition and fees
  Resident: $5,000
  Nonresident: $7,200

Microscope rental available from school: $125
  (Beginning in 1982 the school will provide microscope without charge.)
Total average figure for all other expenses: $6,475

Information on 1981-82 First-Year Class

Number of	*In-State*	*Out-of-State*	*Total*
Applicants*	656	926	1,582
New Entrants†	36	4	40

*24% were interviewed (50% of in-state and 5% of out-of-state applicants).
†100% were interviewed, took the MCAT, and had baccalaureate degrees.

University of Minnesota – Duluth School of Medicine

Dr. Paul C. Royce, Dean
Dr. James G. Boulger, Associate Dean for Admissions
and Administrative and Student Affairs

Address inquiries to:
Office of Admissions
University of Minnesota – Duluth
School of Medicine
2400 Oakland Avenue
Duluth, Minnesota 55812
(218) 726-8511

General Information. The University of Minnesota – Duluth School of Medicine admitted a first class of 24 students in September 1972 to a two-year basic medical science program. Students transfer to the University of Minnesota Medical School – Minneapolis under an established, noncompetitive mechanism for completion of their training.

Curriculum. The two-year curriculum is designed to prepare students for future medical practice through instruction in basic, clinical, and behavioral sciences. With early exposure to patients, the students can become efficient in taking an accurate medical history and in performing a physical examination under the guidance of the volunteer clinical faculty, which is composed primarily of physicians from the Duluth area. Instruction in the basic sciences is largely departmental. In addition, there is ample time spent in basic-clinical science correlations so that a student can comprehend and use the basic sciences as they apply to medical practice. Each student is paired off with a local family physician in a preceptorship arrangement in order to gain more experience with health care delivery. The evaluation of a student's academic performance is recorded by the letter grades O (outstanding), S (satisfactory), or I (incomplete).

Requirements for Entrance. The MCAT and the equivalent of four years of college or a bachelor's degree are required. Applicants are strongly urged to take the MCAT in the spring of the year of application and to have their science requirements completed at the time of application. The processing of an application is delayed considerably if MCAT scores or grades from required courses in process are not included in the original application, and the chances for possible selection are reduced.

Required courses include:

	Years
General biology (with lab)	1
General physics (with lab)	1
Chemistry (with lab)	2
Must include organic chemistry.	
English composition	1
Mathematics through calculus (differential and integral)	
Humanities	
12 quarter or 8 semester credits; at least one course must be upper division level.	
Behavioral sciences	
12 quarter or 8 semester credits; at least one course must be upper division level.	

The faculty of medicine supports the view that a sound preparation in the basic sciences is essential, but a background in liberal arts subjects and exposure to people and their problems are equally important.

Selection Factors. The University of Minnesota is committed to the policy that all persons shall have equal access to its programs, facilities, and employment without regard to race, creed, sex, national origin, or handicap. As a state supported school, strongest preference for selection is given to residents of Minnesota. Consideration may also be given to legal residents of certain northern-most counties of Wisconsin. Residents of other regions of Wisconsin or of other states and foreign countries will not be considered for admission.

The Committee on Admissions compares the entire academic record and scores from the MCAT of all applicants, as recorded on the AMCAS application, and usually adds to these comparative rankings the evaluation of responses to a questionnaire prepared by the committee. If a candidate is selected from this initial screening, the individual is then asked to provide letters of recommendation and may be invited to the medical school campus for interviews by committee members. To date, everyone who has been selected has been interviewed.

At present, the Committee on Admissions considers that two of the most significant qualifications that applicants can present are a demonstrated capacity for excellence in scholarship in an academic discipline of their own choice and personal and background traits that indicate a high potential for becoming a family physician in a small town or rural setting. There is no prejudice for or against the reapplicant. If possible, reapplicants are encouraged to identify any liabilities and rectify them before reapplying through AMCAS. An individual who is rejected usually has the opportunity to review the application with the admissions officer to try to pinpoint the reason(s) for rejection. Admissions requests for advanced standing will not be considered.

The following information pertains to the 1981 entering class: *overall acceptance rate*, 751 applications received, 212 interviewed and seriously considered, 69 acceptances offered to obtain a class of 48 students; *mean GPA*, 3.54; *sex*, 45 percent women; *residence*, 100 percent from Minnesota; *undergraduate major*, 58 percent in biology and chemistry, with remainder from a variety of fields.

Financial Aid. Financial aid is based on the demonstrated need of the student. A number of loans are available through the University Financial Aid Program, and there is limited scholarship aid. To date, no one who has been accepted has discontinued medical studies because of personal financial need. About 98 percent of the students are eligible for and receive financial assistance.

Information for Minorities. The school recognizes the need for providing minority group members with the opportunity to study medicine and is committed to providing this opportunity, particularly to American Indians from the geographic region outlined previously.

Timetable of Application and Acceptance for 1983-84 First-Year Class

School participates in AMCAS. See Chapter 4.

Filing of AMCAS application
  Earliest date: June 15, 1982
  Latest date: Nov. 15, 1982
School application fee: none
Acceptance notice to regular applicants
  Earliest date: Oct. 15, 1982
  Latest date: varies
Does have Early Decision Plan (EDP)
  EDP application period: June 15-Aug. 1, 1982
  Applicants notified by: Oct. 1, 1982
Applicant's response to acceptance offer
  Maximum time: 2 weeks
Deposit to hold place in class: none
Estimated number of new entrants: 48
Starting date: Sept. 6, 1983

Expenses per Year for 1981-82 First-Year Class

Tuition
  Resident: $4,150
  Nonresident: $9,680
Student fees: $450
Microscope rental available from school: $25
Total average figure for all other expenses: $5,700

Information on 1981-82 First-Year Class

Number of	*In-State*	*Out-of-State*	*Total*
Applicants*	602	149	751
New Entrants †	48	0	48

*28% were interviewed.

†100% were interviewed, took the MCAT, and had baccalaureate degrees.

University of Minnesota
Medical School – Minneapolis

Dr. N. L. Gault, Jr., Dean
Dr. W. Albert Sullivan, Jr., Associate Dean, Student Affairs and Admissions

Address inquiries to:
Office of Admissions and Student Affairs
Box 282, Mayo Memorial Building
University of Minnesota
Medical School – Minneapolis
Minneapolis, Minnesota 55455
(612) 373-9688

General Information. Founded in 1888, the University of Minnesota Medical School – Minneapolis is located on the Minneapolis campus of the University of Minnesota. This proximity to disciplines basic or related to medicine provides unique opportunities for interchange of information, techniques, and personnel. The Medical School is a unit of the University of Minnesota Health Sciences Center and has a close working relationship with the other units, such as dentistry, nursing, and pharmacy. Most of the major hospitals in the Minneapolis-St. Paul areas are affiliated with the Medical School. These, together with University Hospitals, a part of the Health Sciences Center, provide teaching facilities for medical students.

Curriculum. Freshman medical students have clinical experiences with patients in both hospital and clinic situations. Combining the clinical contacts with a well rounded basic science curriculum, the medical student after the second year, in counsel with a faculty adviser, has the opportunity to pursue an elective program tailored to individual needs and interests. This program may include a variety of clinical learning experiences, additional basic medical science research, or study at another institution in this country or abroad. Students usually complete the work leading to the M.D. degree in four years, but the course of study may be lengthened to permit the student to enroll in a combined medical-graduate program leading to the M.D. degree and the M.S. or Ph.D. degree in a basic medical science.

Requirements for Entrance. The MCAT and a bachelor's degree or its equivalent are required.

All applicants are urged to take the MCAT in the spring of the year of application and to complete all of the required science courses before making application.

Required courses are:

	Quarters
General biology or zoology	2
General or inorganic chemistry	2
Organic chemistry	2
Quantitative chemistry	1
General physics	3
English	(1 year)
Humanities, social sciences, or other liberal arts courses	(27 qtr. hrs.)
Calculus	

Course work in genetics and psychology is recommended.

Selection Factors. Although academic excellence is necessary in order to complete studies in medical school, neither high grades nor high MCAT scores alone or in combination are adequate to obtain admission. The Admissions Committee is looking for candidates who demonstrate the greatest promise of becoming competent physicians. Evidence of personal integrity, maturity, creativity, motivation for medicine, the ability to work cooperatively with others, and a sense of dedication in service to others are factors which will be evaluated by the committee. These qualities and attitudes will be evaluated by several means, including the letters of evaluation, the scope and nature of extracurricular activities, the breadth of undergraduate education, and personal interviews. The committee will look at the trends in the student's previous education rather than just a single average of grades.

Preference is given to legal residents of Minnesota. Nonresident applicants (excluding those who apply under the Educational Opportunity Program) will be considered only under the Early Decision Plan. The school does not discriminate on the basis of race, sex, creed, disability, or national origin.

Applicants not accepted for two successive years must delay a subsequent application for at least one year in order to have the opportunity to improve both their academic and nonacademic credentials.

Accepted students for the 1981 entering class had the following statistics: *mean GPA*, 3.5; *sex*, 35 percent women; *residence*, 96 percent from Minnesota; *overall acceptance rate*, 27 percent, 346 acceptances out of 1,275 applicants to obtain a class of 239 freshmen.

Interviews are required before any applicant is accepted, and the Admissions Committee will notify applicants if an appointment is to be made for an interview.

All applications must be submitted through AMCAS, and students are urged to submit their application to AMCAS as soon as possible after completing their last quarter or semester of work following their third year of college. Applicants delaying until the end of the application period will put themselves in a somewhat less competitive position.

No transfer students nor advanced standing students can be accepted except for those students from medical schools having contracts with the University of Minnesota for transfer to the third year.

Financial Aid. Long-term loans are available to students with financial need. The Minnesota Medical Foundation will assist students in applying for other long-term loans and scholarships not specifically sponsored by the University of Minnesota or the state of Minnesota. Neither loan nor scholarship applications can be processed until after acceptance is obtained.

Information for Minorities. The school is committed to the recruitment, enrollment, and education of minority groups underrepresented in medicine.

Timetable of Application and Acceptance for 1983-84 First-Year Class

School participates in AMCAS. See Chapter 4.

Filing of AMCAS application
  Earliest date: June 15, 1982
  Latest date: Nov. 15, 1982
School application fee: none
Acceptance notice to regular applicants
  Earliest date: Nov. 15, 1982
  Latest date: May 15, 1983

Does have Early Decision Plan (EDP)
  Nonresidents must apply under EDP
  EDP application period: June 15-Aug. 1, 1982
  Applicants notified by: Oct. 1, 1982
Applicant's response to acceptance offer
  Maximum time: 2 weeks
Deposit to hold place in class: none
Estimated number of new entrants: 239
Starting date: Sept. 6, 1983

Expenses per Year for 1981-82 First-Year Class

Tuition
  Resident: $3,945.20
  Nonresident: $10,325.20
Student fees: $281.20

Microscope rental available from school: $25
Total average figure for all other expenses: $8,000

Information on 1981-82 First-Year Class

Number of	*In-State*	*Out-of-State*	*Total*
Applicants*	809	466	1,275
New Entrants†	230	9	239

*47% were interviewed.
†100% were interviewed, took the MCAT, and had baccalaureate degrees.

University of Mississippi School of Medicine

Dr. Norman C. Nelson, Dean
Dr. M. Don Turner, Chairman, Admissions Committee
Dr. Billy M. Bishop, Director, Student Services and Records

Address inquiries to:
Division of Student Services and Records
University of Mississippi
School of Medicine
2500 North State Street
Jackson, Mississippi 39216
(601) 987-4580

General Information. The School of Medicine, created by a special act of the Board of Trustees in June 1903, operated as a two-year school in Oxford until 1955 when it expanded to four years and moved to the University of Mississippi Medical Center in Jackson. The Medical Center complex includes the School of Medicine, the School of Nursing, the School of Health Related Professions, the School of Dentistry, Graduate Programs in the Medical Sciences, the 538-bed University Hospital, and the new Verner Smith Holmes Center, which houses the Rowland Medical Library and the Division of Learning Resources. Clinical instruction is also carried out in the Veterans Administration Hospital, the Mississippi State Hospital, and the McBryde Rehabilitation Center for the Blind.

Curriculum. In the first year the courses in biochemistry, anatomy, physiology, epidemiology, and parasitology are reinforced with a program of clinical correlation which introduces the student to presentation of patients and clinical concepts. The second-year student has pharmacology, physiology, microbiology, genetics, and psychiatry during the first two quarters. The courses in pathology and multidepartmental introduction to clinical medicine are distributed throughout the three quarters of the second year. The third-year student is rotated through the major areas of medicine for clinical instruction followed by clinical clerkships in the fourth year. The fourth year consists of eight required calendar month clinical clerkships. Each student is required to take three clerkships from the following four departments: medicine, obstetrics-gynecology, pediatrics, and surgery.

Requirements for Entrance. The MCAT and three years of college are required. Each applicant must have a minimum of 90 semester hours from an accredited college, excluding physical education, military training, and certain professional courses. However, strong preference is given to applicants who will have completed all requirements for a baccalaureate degree by the time of entrance.

Science courses for nonscience majors or survey courses are not acceptable for fulfilling the science requirements. One year of advanced science must be taken in a senior college.

The required courses are:

	Sem./Qtr.
General biology or zoology (with lab)	2/3
One semester of botany or comparative anatomy is acceptable toward meeting this requirement.	
Inorganic or general chemistry (with lab)	2/3
Organic chemistry (with lab)	2/3
General physics (with lab)	2/3
Mathematics	2/3
A minimum of one semester each of college algebra and trigonometry is required. Two semesters of analytical geometry and calculus may be accepted.	
English composition	2/3
Advanced science (with lab)	2/3

Students who qualify by placement tests for a more advanced course in mathematics are urged to take two semesters of advanced courses rather than algebra and trigonometry.

The student is advised to develop proficiency in a specific area and acquire a background in the humanities and behavioral sciences in undergraduate school.

Selection Factors. Selection of applicants is made on a competitive basis without regard to age, sex, race, creed, national origin, or handicap. The Admissions Committee selects students who are best qualified on the basis of a demonstration of scholastic aptitude and personal achievement with due consideration of other factors. Major considerations are academic performance, MCAT results, motivation for medicine, and such personal characteristics as maturity, integrity, and stability. Additional factors are the recommendation of the premedical advisers or committee and impression on personal interview. Strong preference is given to residents of Mississippi. Interviews are arranged at the discretion of the Admissions Committee.

The mean GPA for the 1981 entering class was 3.5.

Financial Aid. Accepted students may apply for financial aid. The school participates in federal scholarship programs and federal loan programs, such as Health Professions Student Loan Program, National Direct Student Loan Program, and Guaranteed Student Loan Program. Eligible students may also apply for limited scholarship funds provided by private donors. Additional financial aid is available through the American Medical Association Education and Research Foundation loan program and the Mississippi State Medical Educational Scholarship Loan Program, which was established by the state legislature. In the latter program, Mississippi resident medical students who contract to practice in Mississippi may borrow up to $6,000 per school year or $24,000 in four years. Minority students are assisted by the National Medical Fellowship, Inc., program. A limited number of prizes and scholarships are awarded to outstanding students. Four Dean's Scholarships, renewable annually, are awarded each year to the freshmen with the highest academic achievement at the end of their first year. Although the study of medicine is considered a full-time occupation, students who maintain satisfactory academic standing may apply for part-time jobs in the Medical Center.

Information for Minorities. The Admissions Committee recognizes the serious need for minority physicians and encourages minority students to apply for admission. Further information in the various aspects of the minority program may be obtained by writing to the coordinator, minority student affairs.

Timetable of Application and Acceptance for 1983-84 First-Year Class

School participates in AMCAS. See Chapter 4.

Filing of AMCAS application
  Earliest date: June 15, 1982
  Latest date: Dec. 1, 1982
School application fee after screening: $10 for nonresidents
Acceptance notice to regular applicants
  Earliest date: Oct. 15, 1982
  Latest date: varies
Does have Early Decision Plan (EDP)
  For Mississippi residents only
  EDP application period: June 15-Aug. 1, 1982
  Applicants notified by: Oct. 1, 1982
Applicant's response to acceptance offer
  Maximum time: 15 days
Deposit to hold place in class (applied to tuition): $50 (resident), $100 (nonresident); due with response
Deposit refundable prior to: June 15, 1983
Estimated number of new entrants: 150
Starting date: Aug. 22, 1983

Expenses per Year for 1981-82 First-Year Class

Tuition
  Resident: $2,000
  Nonresident: $2,926
Student fees: $93.60
Student must provide microscope
Total average figure for all other expenses: $6,500

Information on 1981-82 First-Year Class

Number of	*In-State*	*Out-of-State*	*Total*
Applicants*	366	294	660
New Entrants †	150	0	150

*35% were interviewed.

†100% were interviewed, took the MCAT, and had baccalaureate degrees.

University of Missouri – Columbia School of Medicine

Dr. Charles C. Lobeck, Dean
Dr. Hazel J. Scott, Associate Dean
Kimberly McDaniel, Director of Admissions

Address inquiries to:
Associate Dean
Admissions Office
M228 Medical Sciences Building
University of Missouri – Columbia
School of Medicine
Columbia, Missouri 65212
(314) 882-2923

General Information. In 1872, the University of Missouri – Columbia School of Medicine was established as a two-year medical school. In 1956 the curriculum was expanded to its present four-year program. Located on the Columbia campus of the University of Missouri, the Health Sciences Center complex includes the 441-bed University Hospital, the 110-bed Mid-Missouri Mental Health Center, the 480-bed Veterans Administration Hospital, the Medical Sciences Building, and the Rusk Rehabilitation Center. The School of Medicine also maintains affiliations with various other health institutions across the state.

Curriculum. The medical curriculum includes course work in the basic, the behavioral, and the clinical sciences. The first two years of the four-year curriculum provide a strong background in the basic sciences and instruction in physical diagnosis, interviewing skills, and the psychosocial aspects of health and illness. The two clinical years include rotations through the major clinical clerkships and nine months of elective and free time.

Graduate programs and combined-degree programs are available in anatomy, biochemistry, community health, health services management, medical sociology, microbiology, nutrition, pathology, pharmacology, physiology, and public health. The Master's-M.D. Program utilizes the flexibility of the medical curriculum to enable a student to complete a master's degree during the four years of medical school. The M.D.-Ph.D. Program requires six years.

The School of Medicine uses an honors/pass/fail grading system, supplemented by narrative commentary from faculty.

Requirements for Entrance. The MCAT is required. An applicant must have at least 90 semester hours (exclusive of physical education and military science) from a recognized college or university. The following course work is required:

	Semesters
General biology or zoology (with lab)	1
Other biology (with lab) May include comparative anatomy, embryology, genetics, or others.	2
Inorganic chemistry (with lab)	2
Organic chemistry (with lab)	2
General physics (with lab)	2
College mathematics Algebra, calculus, statistics, or trigonometry.	2
English composition and literature	2

Applicants are also advised to include work in the social sciences and in the humanities and to have adequate mastery of the English language. A background of liberal arts leading to a bachelor's degree is strongly recommended. Courses that overlap medical school course work should be avoided unless these courses are an integral part of the applicant's undergraduate program.

Selection Factors. Based on the AMCAS application and letters of recommendation, approximately 65 percent of applicants are invited for interview. A personal interview is required for admission. Both academic qualifications and nonacademic attributes are important in the selection process. Successful applicants usually have recent GPAs above 3.35. The Committee on Admissions seeks to assess such attributes as motivation, maturity, and leadership ability. Demographic factors also are considered. The entering class typically shows a wide range of undergraduate fields of concentration. Preference will be given to Missouri residents; a very limited number of positions are available for nonresidents.

The School of Medicine does not discriminate on the basis of race, sex, creed, national origin, age, or handicap.

Financial Aid. The School of Medicine has a financial aid program to supplement the various federal loan programs. Approximately 65 percent of the student body receive aid from this program. The applicant's financial status plays no part in the admissions process. To date, no students who have been accepted to the School of Medicine have discontinued their medical studies because of financial need.

Information for Minorities. The Committee on Admissions seeks to identify minority, disadvantaged, and other nontraditional applicants. Disadvantaged students may attend a prematriculation academic enrichment program. Some students are offered the option to decelerate to a five-year program.

Timetable of Application and Acceptance for 1983-84 First-Year Class

School participates in AMCAS. See Chapter 4.

Filing of AMCAS application
  Earliest date: June 15, 1982
  Latest date: Nov. 15, 1982
School application fee: none
Acceptance notice to regular applicants
  Earliest date: Oct. 15, 1982
  Latest date: May 1, 1983
Does have Early Decision Plan (EDP)
  EDP application period: June 15-Aug. 1, 1982
  Applicants notified by: Oct. 1, 1982
Applicant's response to acceptance offer
  Maximum time: 4 weeks
Deposit to hold place in class (applied to tuition): $100, due upon request
Deposit refundable prior to: Aug. 23, 1983
Estimated number of new entrants: 110
Starting date: Aug. 24, 1983

Expenses per Year for 1981-82 First-Year Class

Tuition
  Resident: $2,882
  Nonresident: $4,802
Student fees: $48
Microscope rental available from school: $80
Total average figure for all other expenses: $4,900

Information on 1981-82 First-Year Class

Number of	*In-State*	*Out-of-State*	*Total*
Applicants*	428	261	689
New Entrants †	106	4	110

*44% were interviewed.

†100% were interviewed, took the MCAT, and had baccalaureate degrees.

University of Missouri – Kansas City School of Medicine

Dr. Harry S. Jonas, Dean
Leo J. Sweeney, Director of Admissions and Registrar
Dr. Buford Baber, Director, Student Financial Aid

Address inquiries to:
University Admissions Office
University of Missouri – Kansas City
5100 Rockhill Road
Kansas City, Missouri 64110
(816) 276-1111

General Information. The Board of Curators of the University of Missouri authorized the establishment of a medical school at the University of Missouri – Kansas City in 1969. Located on a 135-acre Hospital Hill campus, the medical school is near both the schools and colleges of the university and affiliated community hospitals.

Curriculum. The School of Medicine, in combination with the College of Arts and Sciences, offers a six-year program leading to baccalaureate and M.D. degrees. The student is required to complete both degrees and has the freedom to major in any department of the College of Arts and Sciences.

The program is designed primarily for high school seniors who are entering college. They are permitted to obtain 30 semester hours of credit through the advanced placement program or the CLEP subject area examinations. To receive the baccalaureate degree, the student must complete 120 semester hours of credit by attending classes 48 weeks each year.

The fundamental objective of the program is to provide students with a comprehensive liberal arts education and to prepare physicians who are committed to providing comprehensive health care.

Under the guidance of a clinician-scholar, called a docent, small groups of first-year students are introduced to medicine in several community hospitals where they can observe patients and their problems.

During the first two years of the program, the student is occupied predominantly with arts and sciences course work, with about one-fourth of the time being devoted to Introduction to Medicine courses. After these two years the student advances, with the approval of the Council on Evaluation, to Year 3 of the six-year program.

During the last four years of the curriculum, the student, with guidance from the docent and education assistant, plans a program for meeting the curriculum requirements. At least two months of each year are spent with the docent unit on inpatient internal medicine clinical experience. The remaining eight or nine months are spent on a number of other required and elective course offerings in both the basic and clinical sciences. Students spend one academic term in arts and sciences course work during three of the last four years of the program.

Basic, clinical, and behavioral science information is presented and emphasized throughout the six-year program. Thus, each student is expected to acquire a firm and broad base of information in each of these three major content areas.

The academic program provides the medical student with a realistic working knowledge of community health problems and resources. The school provides an environment for learning medicine which is enhanced by the strong student support system.

Requirements for Entrance. Applicants for admission to Year 1 of the six-year baccalaureate-medical program must meet the admission requirements of the College of Arts and Sciences. The six-year program requires that a student graduate from an accredited high school and demonstrate the ability to perform successfully at the college level, based on a combination of high school rank and scores on the American College Test (ACT).

It is strongly recommended that applicants complete four years of mathematics and one year each of physics, chemistry, and biology in high school.

Only a limited number of positions become available at levels above the first year of the program. Applicants to classes above Year 1 level will be considered only from applicants who have a baccalaureate or advanced degree in either a health field or a health-related field.

Selection Factors. Residency in the state of Missouri will be considered before all other factors in selecting students. Other factors include academic potential, such as quality of high school courses, rank in class.

and scores on the ACT; and personal qualities, such as leadership, stamina, reliability, motivation for medicine, range of interests, and interpersonal skills.

The Council on Selection carefully reviews all applicants to this program. Applicants who appear to be well qualified are invited for interviews at the medical school campus. If invited, the applicant is notified in writing and will be required to be present at the scheduled date and time of the interview.

Students are considered on the basis of their individual qualifications without regard to race, creed, sex, or national origin.

Financial Aid. There is a variety of financial assistance available to all medical students. Further information and applications for financial aid may be obtained from: Student Financial Aid Office, The University of Missouri—Kansas City, 5306 Holmes, Kansas City, Missouri 64110. Application should be made prior to January 1 of the year for which the student is applying.

Information for Minorities. The University of Missouri—Kansas City offers assistance to disadvantaged students through a transitional year and similar programs. Further information is available from Jackson C. VanTrece, assistant vice chancellor for student affairs, The University of Missouri—Kansas City College of Arts and Sciences.

Timetable of Application and Acceptance for 1983-84 First-Year Class

Filing of application
  Earliest date: Sept. 1, 1982
  Latest date: Jan. 1, 1983
School application fee: none
Acceptance notice to regular applicants
  Earliest date: March 1, 1983 (flexible)
  Latest date: May 1, 1983 (flexible)

Does not have Early Decision Plan
Applicant's response to acceptance offer
  Maximum time: 2 weeks or by May 1, 1983
Deposit to hold place in class (applied to tuition): $100, due May 1, 1983; refundable
Estimated number of new entrants: 100
Starting date: Aug. 1983

Expenses per Year for 1981-82 First-Year Class

Tuition
  Resident: $3,590 (Years 1 and 2)
    $3,960 (Years 3-6)
  Nonresident: $5,765 (Years 1 and 2)
    $6,518 (Years 3-6)

School provides microscope without charge
Total average figure for all other expenses: $3,000

Information on 1981-82 First-Year Class

Number of	*In-State*	*Out-of-State*	*Total*
Applicants*	406	20	426
New Entrants †	98	2	100

*69% were interviewed.
†100% were interviewed.

Saint Louis University School of Medicine

Dean (appointment pending)
Dr. Manuel R. Comas, Associate Dean for Admissions
Dr. Paul J. McBryan, Assistant to the Dean and Registrar

Address inquiries to:
Committee on Admissions
Saint Louis University
School of Medicine
1402 South Grand Boulevard
St. Louis, Missouri 63104
(314) 664-9800, Ext. 205

General Information. Saint Louis University is a privately endowed coeducational institution founded by the Jesuits in 1818. The first faculty of medicine was appointed in 1836, and the school assumed its present form in 1903. There is an instructional staff of over 800 full-time and part-time faculty members, and clinical facilities in excess of 1,600 beds are available and used for teaching.

St. Louis University Medical Center includes: Schwitalla Hall, Doisy Hall, Margaret McCormick Doisy Learning Resources Center, Doctors' Office Building, Institute of Molecular Virology, Firmin Desloge Hospital, the Bordley Pavillion, Cardinal Glennon Memorial Hospital for Children, the David P. Wohl Memorial Mental Health Institute, and the Bethesda Eye Institute. Additional facilities include St. Mary's Health Center, St. Louis City Hospital, St. Louis County Hospital, St. Louis Veterans Hospital, and other affiliated hospitals.

Joint M.D.-Ph.D. programs are currently offered in basic medical science departments.

Curriculum. The curriculum is reviewed periodically to respond to changes in subject matter and educational technology. Distinctive aspects of the program include:

1. A solid treatment of the basic sciences during the first two years gradually merging into and correlating with clinical sciences. In addition to classical disciplines, other multi-departmentally oriented courses feature: Medical Communication Skills, Human Sexuality, Nutrition, Emergency Medicine, and Working With Dying Patients and Their Families.
2. Novel use of advanced educational technology such as a simulation complex, including simulated physician offices to learn clinical assessment skills.
3. Multiple clinical training sites which offer an outstanding variety of patients.
4. A flexible senior year enabling students to become designers of their program in collaboration with faculty advisers. National and international experiences serve to complement the initial years of training to produce an individual ready for residency education.

Requirements for Entrance. The MCAT and three years of college (90 semester hours or 135 quarter hours) are required. However, preference is given to applicants who complete the four-year undergraduate program. The university is more interested in the applicants themselves than in the details of their curriculum. Demonstrated ability in the sciences is of greater importance than extended course work. Applicants with majors in the humanities are seriously considered. The college courses must include:

	Sem. hrs.
Biology	8
General chemistry	8
Organic chemistry	8
General physics	8
English composition and literature	6

In biology, additional course work is recommended in vertebrate anatomy, embryology, genetics, and cell physiology.

In chemistry, additional course work is recommended in physical chemistry, quantitative analysis, or biochemistry.

Recommended subjects include: mathematics through calculus, philosophy, fine arts, social sciences, modern or classical languages, and English literature.

Selection Factors. The selection of candidates is based upon intellectual ability, demonstrated scientific achievement, and personal qualifications, including motivation, character, emotional maturity, and personality. There is no discrimination on the basis of race, sex, age, creed, or national origin. There are no geographic restrictions or quotas. All applicants receive serious consideration; but, other qualifications being equal, some additional attention is given to applicants from Saint Louis University.

Students for the 1981 entering class had the following profile: *mean GPA*, 3.63 (100 percent above 3.0); *sex*, 21 percent women; *residence*, 30 percent from Missouri, 29 states represented; *undergraduate major*, 54 percent in life sciences, 21 percent in chemistry.

Financial Aid. All accepted students are automatically considered for available financial awards, and the amount of assistance given is dependent on the financial resources of the student.

Information for Minorities. The Committee on Admissions is functioning to recruit members of minority groups that are significantly underrepresented in the physician pool of this region.

Timetable of Application and Acceptance for 1983-84 First-Year Class

School participates in AMCAS. See Chapter 4.

Filing of AMCAS application
  Earliest date: June 15, 1982
  Latest date: Dec. 15, 1982
School application fee to all applicants: $40
Acceptance notice to regular applicants
  Earliest date: Oct. 1, 1982
  Latest date: Aug. 31, 1983
Does have Early Decision Plan (EDP)
  EDP application period: June 15-Aug. 1, 1982
  Applicants notified by: Oct. 1, 1982

Applicant's response to acceptance offer
  Maximum time: 2 weeks
Deposit to hold place in class (applied to tuition):
  $100, due 2 weeks after offer
Deposit refundable prior to: Sept. 1, 1983
Estimated number of new entrants: 155
Starting date: Sept. 1, 1983

Expenses per Year for 1981-82 First-Year Class

Tuition: $11,170
Student must provide microscope

Total average figure for all other expenses:
  $5,500

Information on 1981-82 First-Year Class

Number of	*In-State*	*Out-of-State*	*Total*
Applicants*	344	5,770	6,214
New Entrants †	47	109	156

*25% were interviewed.

†100% were interviewed and took the MCAT; 99% had baccalaureate degrees.

Washington University School of Medicine

Dr. M. Kenton King, Dean
Dr. John C. Herweg, Chairman, Committee on Admissions
John F. Walters, Assistant Dean and Financial Aid Officer

Address inquiries to:
Admissions Office
Washington University
School of Medicine
660 South Euclid Avenue
St. Louis, Missouri 63110
(314) 454-3642

General Information. Washington University School of Medicine was formed in 1899 by the union of the St. Louis Medical College and the Missouri Medical College. Outstanding clinical teaching facilities are provided by Barnes Hospital and four other major associated hospitals with a total capacity of 1,901 patient beds. The Edward Mallinckrodt Radiological Institute, a rehabilitation center, and a biomedical computer center are situated on the Washington University Medical Center campus. Excellent basic science teaching facilities are located in the lecture halls and multidisciplinary laboratories of the McDonnell Medical Sciences Building.

Curriculum. The school emphasizes the scientific basis of medicine in all aspects of its preclinical and clinical curriculum. Thoughtful and serious consideration is also given to the emotional, social, and cultural characteristics of patients and to the necessity of adapting medical care to meet their needs.

The four-year curriculum provides a rigorous first year of major course work in biochemistry, microbiology, anatomy, neural sciences, and physiology. The second-year curriculum is a progressive introduction to clinical medicine, featuring pathology, pharmacology, and pathophysiology taught in correlative fashion. The third year is a clinical clerkship experience with emphasis on bedside teaching in all major clinical disciplines. The fourth year is a full year of electives planned and selected by the student with the aid of faculty advisers.

A five-year M.A.-M.D. program is available for students desiring a full year of research training. A six-year Medical Scientist Training Program permits students seeking a career in academic medicine to obtain both M.D. and Ph.D. degrees.

A tutorial program is available to any student in the school who needs academic assistance. A pass/fail grading system is used the first semester; an honors/high pass/pass/fail grading system is used thereafter.

Requirements for Entrance. Accepted applicants must present evidence of superior intellectual ability and achievement, completion of at least 90 semester hours of course work in an approved college or university, satisfactory performance on the MCAT, and attributes necessary for a productive career in medicine.

Mathematics, physics, and chemistry provide the tools for modern biology, medicine, and the biological basis of patient care. Accordingly, premedical education should include a minimum of year-long courses in general or inorganic chemistry, organic chemistry, physics, biological science, and mathematics through differential and integral calculus. Physical chemistry with calculus as a prerequisite is recommended. Prerequisites are subject to waiver by the Committee on Admissions.

The development of the intellectual talents of an individual often involves the in-depth pursuit of some areas of knowledge in humanities, social sciences, or natural sciences. A diversified background of cultural development is encouraged.

Selection Factors. Students are selected on the basis of character, attitude, interest, intellectual ability, motivation, maturity, and past achievement as indicated both by superior scholastic work and active participation in extracurricular activities prior to entering medical school. Washington University policies and programs are nondiscriminatory, and full consideration is given to all applicants without regard to sex, age, race, handicap, creed, or national or ethnic origin. Minority group students are strongly encouraged to apply.

Students in the 1981 entering class had the following credentials: *mean science GPA*, 3.62; *mean nonscience GPA*, 3.64; *mean total GPA*, 3.63; *sex*, 32 percent women; *undergraduate major*, 40 percent in biological sciences or preprofessional studies, 32 percent in chemistry or biochemistry, 12 percent in physics, mathematics, or engineering, with the remainder from a variety of other fields of study.

Well qualified applicants who consider Washington University as their first choice school are urged to consider the Early Decision Plan. Information and guidance are available from the school.

Early submission of the AMCAS application permits its prompt evaluation by the Committee on Admissions. All applicants are invited to complete their application with letters of recommendation and additional personal information. Selected applicants are invited for interview. All accepted applicants are interviewed.

Financial Aid. The financial resources of an applicant do not enter into the admission selection process. Immediately upon notification of acceptance, the applicant may file for consideration for financial aid. An award decision is usually made within two weeks following receipt of the completed forms. Awards are based on documented financial need and consist of both scholarships and loans.

Information for Minorities. The school is committed to the recruitment, enrollment, education, and graduation of an increased number of individuals from disadvantaged groups. The Committee on Admissions includes two minority group members. For information write Dr. Robert Lee, assistant dean for minority student affairs.

Timetable of Application and Acceptance for 1983-84 First-Year Class

School participates in AMCAS. See Chapter 4.

Filing of AMCAS application
  Earliest date: June 15, 1982
  Latest date: Nov. 1, 1982
School application fee to all applicants: $35
Acceptance notice to regular applicants
  Earliest date: Oct. 15, 1982
  Latest date: Aug. 23, 1983
Does have Early Decision Plan (EDP)
  EDP application period: June 15-Aug. 1, 1982
  Applicants notified by: Oct. 1, 1982
Applicant's response to acceptance offer
  Maximum time: 2 weeks
Deposit to hold place in class (applied to tuition): $100, due with response
Deposit refundable prior to: June 15, 1983
Estimated number of new entrants: 120
Starting date: Aug. 24, 1983

Expenses per Year for 1981-82 First-Year Class

Tuition: $6,750
School provides microscope without charge
Total average figure for all other expenses: $5,556

Information on 1981-82 First-Year Class

Number of	*In-State*	*Out-of-State*	*Total*
Applicants*	248	5,918	6,166
New Entrants †	14	108	122

*15.7% were interviewed.

†100% were interviewed, took the MCAT, and had baccalaureate degrees.

Creighton University School of Medicine

Rev. James E. Hoff, S.J., Acting Dean
Dr. Matthew J. Severin, Associate Dean
for Student Affairs
Frank B. Evans, Assistant Dean for Financial Affairs

Address inquiries to:
Medical School Admissions
Room 316(M), Criss II Building
Creighton University
School of Medicine
2500 California Street
Omaha, Nebraska 68178
(402) 280-2798

General Information. The Creighton University School of Medicine was opened in October 1892, 14 years after the opening of the parent university. Its plant includes three units that provide all facilities for research, basic science, and preclinical teaching. St. Joseph's Hospital, accommodating 403 patients, is the principal teaching hospital of the medical school. Clinical instruction is also carried out in the Childrens Memorial, Veterans Administration, and Bergan Mercy hospitals. Clinical services are also conducted at several other area hospitals as well as the new Boys Town Institute for Communication Disorders in Children. The Bio-Information Center, located on the west campus north of the hospital, contains a multimedia self-instructional component, a biomedical communication center, an educational services unit, and the traditional library facilities.

Curriculum. The curriculum, under continuous study and review by a faculty-student committee, provides instruction in the traditional preclinical sciences along with courses in behavioral science and public health and epidemiology during the first year and a half, followed by a half-year didactic program in clinical medicine and physical diagnosis. A third-year clerkship program of 48 weeks, covering all major clinical areas, is designed to provide an intensive exposure to the problems encountered in clinical medicine and to allow students to make early judgments concerning possible career choices. The fourth year, which is entirely elective, provides courses in the preclinical as well as clinical disciplines that range from laboratory research to advanced clerkship programs. A faculty advisory system aids the students in choosing courses that will broaden their background for a career in medicine as well as satisfy their special interests.

Numerical percentages are compiled for the first three years in order to provide a class ranking system.

Requirements for Entrance. The MCAT and three years (at least 90 semester hours) of accredited college work are mandatory. Preference is given, however, to holders of the baccalaureate degree. Applicants may take the MCAT in the fall of the year preceding their entry into medical school. All requirements for admissions must be completed by the June prior to entry. Course work must include:

	Sem. hrs.
General biology (with lab)	8
Inorganic chemistry (with lab)	8
Organic chemistry (with lab)	8-10
General physics (with lab)	8
English	6

Although no additional science courses are required, applicants may pursue a baccalaureate program with a science major or with a major in any field of liberal arts (except military science) appropriate to their interest, such as English, foreign language, history, political science, or sociology. Up to 27 hours of credit are accepted under CLEP and/or advanced placement programs.

Selection Factors. Consideration will be given to all of the qualities considered to be necessary in a physician. Intellectual ability and curiosity, emotional maturity, honesty, and proper motivation, in addition to proven scholastic ability, are of the utmost importance. The preprofessional committee evaluations and letters of recommendation are equally important.

The school reserves the right to require a formal interview of every applicant selected before it finalizes the acceptance. The interview usually will be held on the university campus.

There are no restrictions placed on applicants because of race, religion, sex, or national origin. Candidates are not restricted by state of residence, but preference is given to students who reside in mid-western states and to applicants from states that do not have medical schools. Preference is also given to applicants who have undertaken their preprofessional education at Creighton University.

Because the cumulative and science averages of 108 candidates selected for the 1981 entering class were 3.38 and 3.45, respectively, it is suggested that no candidate apply whose averages in either situation are below 3.0. Other characteristics of the 1981 entering class were: *sex*, 18 percent women; *undergraduate major*, 82 percent in science.

The AMCAS application is the principal source of information on the candidates. Additional information is requested upon receipt of the AMCAS form.

Financial Aid. In addition to federally insured student loan programs and funds available from major foundation grants, a limited number of scholarships and fellowships are available for upperclassmen and for a few well qualified entering students. Scholarship aid is awarded primarily on the basis of personal financial need.

Approximately 70 percent of the students receive some form of financial aid during a part or all of their four years of study. Students are discouraged from accepting outside employment because of the lack of available time during a heavy academic schedule, but spouses of students usually have no difficulty in finding employment in the Omaha metropolitan area.

Information for Minorities. Consideration is given to applications from American black, American Indian, Mexican-American, and mainland Puerto Rican candidates. Special summer courses and tutorial services are available to the candidates should the need arise. The school application fee will be waived if AMCAS has first waived its charges. Financial aid in the form of grants and long-term loans is available on the basis of proven need.

Timetable of Application and Acceptance for 1983-84 First-Year Class

School participates in AMCAS. See Chapter 4.

Filing of AMCAS application
  Earliest date: June 15, 1982
  Latest date: Dec. 15, 1982
School application fee to all applicants: $30
Acceptance notice to regular applicants
  Earliest date: Dec. 15, 1982
  Latest date: Aug. 27, 1983
Does have Early Decision Plan (EDP)
  EDP application period: June 15-Aug. 1, 1982
  Applicants notified by: Oct. 1, 1982
Applicant's response to acceptance offer
  Maximum time: 2 weeks
Deposit to hold place in class (applied to tuition): $100, due with response
Deposit refundable prior to: March 1, 1983
Estimated number of new entrants: 110
Starting date: Aug. 29, 1983

Expenses per Year for 1981-82 First-Year Class

Tuition: $7,124
Student fees: $35
Microscope rental available from school: $100
Total average figure for all other expenses: $4,750

Information on 1981-82 First-Year Class

Number of	*In-State*	*Out-of-State*	*Total*
Applicants*	256	5,860	6,116
New Entrants †	17	91	108

*10% were interviewed.

†82% were interviewed; 100% took the MCAT; 96% had baccalaureate degrees.

University of Nebraska College of Medicine

Dr. Alastair M. Connell, Dean
Dr. Robert T. Binhammer, Associate Dean, Academic Affairs
Robert T. Fredlund, Director of Financial Aids

Address inquiries to:
Chairperson, Admissions Committee
Room 5021, Wittson Hall
University of Nebraska
College of Medicine
42nd Street and Dewey Avenue
Omaha, Nebraska 68105
(402) 559-4205

General Information. The University of Nebraska College of Medicine celebrated its centennial in the academic year 1980-1981. Medical education has been continuous in Omaha since students first entered the Omaha Medical College in the fall of 1880. Merger with the university to establish the University of Nebraska College of Medicine occurred in 1902.

The University of Nebraska Medical Center includes the colleges of dentistry, medicine, nursing, and pharmacy, School of Allied Health Professions, University Hospital and Clinics, Nebraska Psychiatric Institute, Eppley Cancer Research Institute, and C. Louis Meyer Children's Rehabilitation Institute. These facilities are supplemented by direct teaching affiliations with the Veterans Hospital and eight private hospitals, two of which are on the Medical Center campus. Students, thus, have access to facilities with a total of approximately 2,800 teaching beds. Preceptorships in family medicine are conducted in 68 locations in all parts of the state.

Curriculum. The goal of the College of Medicine is to develop the knowledge, skills, and attitudes appropriate for all doctors of medicine. The college aims to provide a sound basis for support of career choices in medical practice, teaching, research, or administration by stimulating students to obtain a background of basic information, a command of the language of biomedical science, a mastery of the skills necessary for clinical problem-solving, a habit of self-education, and a sympathetic understanding of the behavior of healthy and sick people. The college is particularly oriented toward training physicians to meet all the health care needs of the citizens of Nebraska. In the four-year curriculum, preclinical science and clinical science share scheduled hours for two years. Primary clerkships occupy the third year, and the final year includes a community preceptorship in family medicine and electives. Some of the elective period may be spent at another medical center in the United States, or arrangements may be made for a foreign fellowship.

A letter grading system is used; narrative commentary from clerkship directors supplements the grading system for clinical students.

The College of Medicine has a flexible program of advancement. The student may complete the basic science curriculum in three years.

Requirements for Entrance. A minimum of 90 semester hours (three years of college work) in an accredited college is required. However, to provide an opportunity for in-depth study, the completion of a college major or baccalaureate degree is strongly recommended. The MCAT is required. The undergraduate program must include:

	Years/Sem. hrs.
Biology (with lab)	1/8
Inorganic chemistry (with lab)	1/8
Organic chemistry (with lab)	1/8
Physics (with lab)	1/8
Humanities	2/12-16
English composition	
Introductory calculus or statistics	

Besides meeting specific requirements, applicants are encouraged to adopt an educational goal that includes exploring areas of personal interest.

In view of the rapidly broadening scope of medicine, a well rounded education is considered optimum preparation. The requirements are consistent with that belief.

Selection Factors. Students are selected on the basis of a total assessment of each candidate's motivation, interests, character, demonstrated intellectual ability, previous academic record and its trends, personal interviews, scores on the MCAT, and general fitness and promise for a career in medicine. Admission is based upon individual qualifications without regard to age, sex, sexual preference, race, national origin, handicap, or religious or political beliefs. Academic credentials are evaluated on the basis of course level and load, involvement in cocurricular activities or employment, and other influential factors. Cut-off levels for GPAs or for scores on the MCAT are not utilized; however, applicants are reminded of the competition for entrance and are advised to be realistic. Personal attributes are assessed through letters of reference and in the interview.

Strong preference is given to residents of Nebraska, but a limited number of students from other states may be accepted. The University of Nebraska encourages, in particular, students from rural areas, small towns, or disadvantaged backgrounds to apply. The potential for service to underserved communities is taken into consideration during the pre-admission evaluation.

Accepted students for the 1981 entering class had the following credentials: *mean GPA*, 3.53; *sex*, 30 percent women; *undergraduate major*, approximately 60 percent science majors.

Financial Aid. Some scholarships are available each year. A few may be granted to entering freshmen. Several fellowships and assistantships are available to students who desire to take one or two years of graduate study or research in the basic sciences. Loan funds have been increased through efforts of physicians in Nebraska, fraternal organizations, and friends of the college. Approximately 60 percent of the students receive some financial aid.

Information for Minorities. The University of Nebraska College of Medicine is committed to increasing the number of physicians from ethnic groups presently underrepresented in the medical profession. Applications are encouraged from resident and nonresident black Americans, American Indians, mainland Puerto Ricans, and Mexican Americans. The accomplishments of applicants will be evaluated with due consideration given to their background. The college makes every effort to retain minority students. Necessary tutorial assistance will be provided. Specific information is available from Mrs. Anece McCloud, minority student affairs officer.

Timetable of Application and Acceptance for 1983-84 First-Year Class

School participates in AMCAS. See Chapter 4.

Filing of AMCAS application
  Earliest date: June 15, 1982
  Latest date: Nov. 15, 1982
School application fee: none
Acceptance notice to regular applicants
  Earliest date: Jan. 15, 1983
  Latest date: April 15, 1983
Does not have Early Decision Plan
Applicant's response to acceptance offer
  Maximum time: 2 weeks
Deposit to hold place in class (applied to tuition): $100, due within 30 days of offer
Deposit refundable prior to: Aug. 22, 1983
Estimated number of new entrants: 153
Starting date: Aug. 22, 1983

Expenses per Year for 1981-82 First-Year Class

Tuition
  Resident: $1,941
  Nonresident: $3,450
Student fees: $60
Microscope rental available from school: $25
Total average figure for all other expenses: $6,000

Information on 1981-82 First-Year Class

Number of	*In-State*	*Out-of-State*	*Total*
Applicants*	359	409	768
New Entrants †	143	10	153

*65% were interviewed.

†100% were interviewed and took the MCAT; 95% had baccalaureate degrees.

University of Nevada School of Medicine

Dr. Robert M. Daugherty, Jr., Dean
Dr. Jerry R. May, Assistant Dean for Admissions
Judith L. Anderson, Management Assistant, Admissions

Address inquiries to:
Admissions Selection Committee
Office of Admissions
University of Nevada
School of Medicine
Reno, Nevada 89557
(702) 784-6007

General Information. The University of Nevada School of Medicine is one of a small group of schools in the United States which in addition to university-based faculty relies heavily on community physicians as teachers and community health facilities for the majority of its clinical education. The emphasis of the education program centers on the understanding of primary care and the problems of rural health in physicians' offices. The school is dedicated to selecting individuals with a broad background who will learn to evaluate and treat the total patient and be compassionate and competent physicians. Students will learn to provide comprehensive health care to meet the needs of the individual, the family, and the community.

Curriculum. The first two years of the program are concentrated in the classroom and laboratories on the Reno campus. The curriculum places emphasis on biomedical and behavioral sciences basic to medicine. Basic science disciplines are often integrated with each other and with clinical problems to help provide a meaningful understanding of the major organ systems of the body. The student is encouraged to use this basic information to solve clinical problems for which patients and their families will seek help. In addition to courses in anatomy, behavioral sciences, biochemistry, pharmacology, physiology, and pathology, students learn the basic physician skills of interviewing, obtaining a medical history, and performing a physical examination on patients. At the end of the first year all students spend one month with a primary care physician to observe common problems which patients bring to the family physician, general internist, obstetrician, and pediatrician. At the end of the second year an 11-week course provides the student an opportunity to integrate history-taking and physical examination skills and refine them.

The third and fourth years of the curriculum include experiences in community hospitals and physicians' offices in family medicine, internal medicine, obstetrics and gynecology, pediatrics, psychiatry, and surgery. These last two years of medical school concentrate on the common problems encountered by primary care physicians. Thus, education in the third and fourth years is divided among Reno, Las Vegas, and rural Nevada.

Requirements for Entrance. The MCAT and a minimum of three years of college work (90 semester hours) are required. The Admissions Selection Committee strongly recommends completion of a baccalaureate degree.

Applicants are encouraged to have a broad educational background, and no specific major is deemed superior to another. In addition to academic course work, people-oriented activities and health care exposure are important.

Course work should include:

	Sem. hrs.
Biology	16
Chemistry	8
Organic chemistry	8
Physics	8
Behavioral sciences	9

Must include 3 sem. hrs. of upper division credit.

A demonstrated competency in English composition and expression is required. Generally, students are expected to satisfy the English composition requirements of their undergraduate institution. Students should utilize courses that deal with the psychological stages of the life cycle in fulfillment of the behavioral sciences requirement (that is, human growth and development, adolescence, aging, human sexuality, abnormal psychology, family dynamics, or medically oriented sociology). Supplementary courses strongly recommended as useful to the study or practice of medicine but not required for admission include calculus, biochemistry, genetics, and embryology.

Selection Factors. Candidates are evaluated on the basis of academic performance, performance on the MCAT (which should be taken in the spring or earlier of the application year), the nature and depth of scholarly, extracurricular, and health care related activities during college years, academic letters of evaluation, and the personal interview if requested by the Admissions Selection Committee. A high priority is given to residents of Nevada. A small number of out-of-state applicants are considered each year who have a strong residential tie to Nevada (that is, parent's residence, medical catchment area) or who are residents of Alaska, Idaho, Montana, or Wyoming, which are western, rural states without medical schools. Individuals who do not meet these residential requirements are discouraged from applying to the University of Nevada.

Accepted students to the 1981 entering class had the following general features: *undergraduate major*, 90 percent in science and mathematics (includes premedical majors), with the remainder from a variety of majors; *mean age*, 24 (range 19 to 32); *degrees*, 94 percent completed the baccalaureate degree and 6 percent completed the master's degree; *sex*, 31 percent female; *mean GPA*, 3.52; *mean MCAT*, 9.6.

The Admissions Selection Committee has adopted an admission policy which enables applicants to be assessed on numerous factors. The committee encourages applicants of both sexes and from all socioeconomic, racial, religious, and educational backgrounds. Applications from members of minority groups are encouraged. To date, the committee has found many qualified applicants residing in the state of Nevada.

Transfer positions to the third and fourth year are based on availability. Applications will only be accepted from individuals in good standing from accredited U.S. medical schools. The University of Nevada does not accept applications for advanced standing from students attending foreign medical schools.

Financial Aid. Financial aid in the form of scholarships and loans is available to medical students. The amount of aid varies according to circumstances and availability of funds. Over 85 percent of the medical school students receive some type of financial assistance.

Timetable of Application and Acceptance for 1983-84 First-Year Class

School participates in AMCAS. See Chapter 4.

Filing of AMCAS application
  Earliest date: June 15, 1982
  Latest date: Nov. 1, 1982
School application fee after screening: $25
Acceptance notice to regular applicants
  Earliest date: Jan. 15, 1983
  Latest date: summer 1983

Does not have Early Decision Plan
Applicant's response to acceptance offer
  Maximum time: 2 weeks
Deposit to hold place in class: none
Estimated number of new entrants: 48
Starting date: Aug. 1983

Expenses per Year for 1981-82 First-Year Class

Tuition and fees
  Resident: $3,146
  Nonresident: $7,329

Student must provide microscope
Total average figure for all other expenses: $8,000

Information on 1981-82 First-Year Class

Number of	*In-State*	*Out-of-State*	*Total*
Applicants*	127	341	468
New Entrants †	45	3	48

*25% were interviewed.

†100% were interviewed, took the MCAT, and had baccalaureate degrees.

Dartmouth Medical School

Dr. Robert McCollum, Dean
Frances R. Hall, Director of Admissions and Financial Aid
Mary G. Turco and Nanci Cirone, Assistant Directors of Financial Aid

Address inquiries to:
Director of Admissions
Dartmouth Medical School
Hanover, New Hampshire 03755
(603) 646-2638

General Information. Dartmouth Medical School, the fourth oldest medical school in continuous operation, is located on the campus of Dartmouth College. In concert with the Mary Hitchcock Memorial Hospital, the Hitchcock Clinic, and the Veterans Administration Hospital, Dartmouth Medical School provides instructional and research opportunities in the basic science and clinical phases of medical education. A faculty of over 500 offers all students the opportunity for individually-based instruction.

Curriculum. The M.D. curriculum at Dartmouth, a four-year sequence providing training in basic science and clinical areas, emphasizes the fundamentals that underlie all medical practice. The curriculum begins with a year of basic science courses which form the foundation for the interdisciplinary pathophysiology study of the second year. Inpatient clerkships in medicine, surgery, psychiatry, and maternal-child health are scheduled during the third year. The fourth year includes a required clerkship in primary care, courses in therapeutics and in health and society, and 25 weeks of electives which may include clinical electives, research rotations, and courses. A combined M.D.-Ph.D. program is available for candidates with expressed interest in a research career.

Entering class size at Dartmouth Medical School increased from 64 to 84 in 1981 with the inauguration of the Brown-Dartmouth Program. Sixty-four students follow the four-year curriculum at Dartmouth, described above, and receive the M.D. degree from Dartmouth. Twenty students, admitted jointly by Dartmouth and Brown University, spend the first two years studying basic sciences at Dartmouth and the last two years receiving clinical education at Brown. The admission process for these 20 students is a joint one, involving both schools. Students admitted to the joint program are assured of transition to Brown following completion of the first two years at Dartmouth and satisfactory performance on Part I of the NBME examinations. Joint program students are awarded the M.D. degree from Brown University.

Applicants may apply to both programs simultaneously and indicate a preference after interviews. Individuals are offered acceptance to only one program, but wherever possible to the program of greatest preference.

Requirements for Entrance. Except in unusual circumstances all candidates are expected to present scores from the MCAT. The MCAT is required of all candidates for the joint program. Specific courses required at college level are:

	Years
General biology	1
Inorganic chemistry	1
Organic chemistry	1
Physics	1
Calculus	½

Facility in written English is required.

In general, the demonstration of competence in an area of study is a more important criterion than the particular discipline. Hence, students are encouraged to major in the field of their special interest and, if possible, to pursue independent investigation in that field. Students majoring in nonsciences who have demonstrated competence in science are encouraged to apply.

Selection Factors. The decisions of the Admissions Committee depend on appraisal of the entire application, including a thorough evaluation of personal and intellectual qualifications. Rigid cutoff points and inflexible criteria are avoided. Dartmouth Medical School is a national institution enrolling students from across the country. In addition, as the only medical school in New Hampshire, the school looks carefully at applications from New Hampshire residents. Rhode Island residents also are given careful consideration for the Brown-Dartmouth Program.

It is the long standing policy of Dartmouth Medical School to actively support equality of opportunity for all persons regardless of race or ethnic background, and no student shall be denied admission or financial aid or be otherwise discriminated against because of physical handicap, race, creed, religion, sex, or national origin.

Individuals holding or working toward advanced degrees are selected by the same criteria as are other applicants.

Applications for the Brown-Dartmouth Program will be initiated at Dartmouth. The regular Dartmouth application provides check boxes for both programs, and applicants may apply to both and express a preference later. In selecting applicants for the joint program, the admissions policies and standards of both institutions will be observed. Successful applicants will be offered acceptances to only one program at a time. Letters of acceptance will state the option to which the student has been admitted and will be binding.

Financial Aid. Scholarships and loans are awarded on the basis of need as documented on the GAPSFAS form (see Chapter 6). Approximately 80 percent of the students receive financial aid, usually as a combination of scholarship and loan or through the National Health Service Corps Scholarship Program or the Armed Forces Health Professions Scholarship Program.

Some part-time jobs are available in the library, hospital, and medical school laboratories. Students should be aware of potential conflicts between the demands of studies and job requirements.

Application fee waiver is possible with documentation of need made by submitting a copy of the AMCAS fee waiver.

Information for Minorities. Applications from members of ethnic minority groups underrepresented in American medicine are encouraged. Dartmouth Medical School makes efforts to identify qualified minority applicants and welcomes applications from minority students.

Timetable of Application and Acceptance for 1983-84 First-Year Class

Filing of application
  Earliest date: June 1, 1982
  Latest date: Nov. 1, 1982
School application fee to all applicants: $45 for regular Dartmouth program or Brown-Dartmouth Program; $50 for both regular Dartmouth program and Brown-Dartmouth Program
Acceptance notice to regular applicants
  Earliest date: Nov. 1982
  Latest date: Sept. 1983
Does have Early Decision Plan (EDP)
  EDP application period: June 1-Aug. 1, 1982
  Applicants notified by: Sept. 6, 1982
Applicant's response to acceptance offer
  Maximum time: 2 weeks
Deposit to hold place in class: none
Estimated number of new entrants: 84
Starting date: Sept. 12, 1983 (approx.)

Expenses per Year for 1981-82 First-Year Class

Tuition: $10,450
Student fees: $135
Microscope rental available from school: $75
Total average figure for all other expenses: $5,360

Information on 1981-82 First-Year Class

Number of	*In-State*	*Out-of-State*	*Total*
Applicants*	58	2,580	2,638
New Entrants †	15	69	84

*16% were interviewed.

†100% were interviewed and took the MCAT; 98% had baccalaureate degrees.

University of Medicine and Dentistry of New Jersey
New Jersey Medical School

Dr. Vincent Lanzoni, Dean
Dr. Joseph P. Tassoni, Associate Dean for
Student Affairs and Director of Admissions
Dr. Eileen T. Eckhardt, Associate Dean for Student Affairs

Address inquiries to:
Director of Admissions
Room C654-MSB
UMD-New Jersey Medical School
100 Bergen Street
Newark, New Jersey 07103
(201) 456-4631

General Information. The New Jersey Medical School of the University of Medicine and Dentistry of New Jersey (UMD-NJMS) moved into facilities situated in Newark in 1977. A $200-million complex contains the teaching-research Biomedical Science Building, a hospital, a library, a dental school, and a community mental health center.

Major clinical instruction is carried out at the College Hospital, East Orange Veterans Administration Hospital, St. Michael's Medical Center, Beth Israel Hospital, Jersey City Medical Center, United Hospital of Newark Medical Center, Hackensack Hospital, St. Joseph's Hospital of Paterson, and St. Elizabeth's Hospital and Eye Institute of New Jersey.

Curriculum. During the first two years a thorough coverage of the basic medical sciences is implemented through departmental and integrated interdepartmental studies. A broad program of clinical correlations occurs throughout all the basic sciences. Introductory courses in clinical sciences, physical diagnosis, psychiatry, public health, and preventive and community medicine are presented during the first two years of the curriculum. The third year is spent in rotations through all of the clinical departments. This is a closely supervised comprehensive endeavor in which the student acquires the basic knowledge and techniques of clinical medicine. Instruction is carried out mainly in small groups and individual instruction. The fourth year is devoted to advanced required work and elective programs. The required courses are emergency medicine, neurology, an acting internship, and the practice of medicine course, which brings together the ethical, legal, and social factors that are part of total patient care.

Requirements for Entrance. The MCAT and a minimum of three years of college (90 credit hours) are required. Most successful applicants will have attained a B.S. or B.A. degree prior to matriculation.

The minimum requirements are:

	Sem. hrs.
Biology (with lab) One year of general biology and one advanced course will meet the requirement. Course work must be exclusive of botany and invertebrate zoology.	12
Organic chemistry (with lab)	8
Other chemistry (with lab)	8
General physics (with lab)	8
English	6

A course in mathematics is recommended but not required.

Specific requirements may be waived or imposed at the discretion of the Admissions Committee in any individual case.

The Admissions Committee urges all candidates to prepare themselves further by completing courses in social or cultural fields and generally broadening their academic backgrounds. Candidates who are not premedical or science majors are given equal consideration if they have demonstrated academic excellence in the minimal requirements listed above.

Advanced standing programs may be available. For information contact the Office of Admissions.

Selection Factors. Students are selected on the basis of scholastic achievement, fitness and aptitude for the study of medicine, and other personal qualifications. Since success in medicine depends on a number of related factors in a student's development, of which scholastic accomplishments are only a part, the Admissions Committee also gives consideration to the use of language, special aptitudes, mechanical skill, stamina, perseverance, and motivation.

New Jersey Medical School applies no GPA or MCAT cutoff levels in its selection process. It must be remembered, however, that competition is very keen, and applicants who are high in all determinable categories often receive the highest priority for acceptance. There are no restrictions as to race, creed, sex, national origin, age, or handicap.

Accepted students in the 1981 entering class had the following profile: *average*

GPA, 3.44; *sex*, 34.1 percent women; *residence*, 11 nonresidents; *disadvantaged minorities*, 30 students.

Applications from nonresidents are accepted. However, it must be pointed out that in competition with the large number of qualified New Jersey residents, only the most outstanding nonresident applicants have been successful. Reapplicants are not discouraged, but, as indicated, the competition is great.

Consideration under the Early Decision Plan is open to exceptional New Jersey residents only.

Minority students are encouraged to apply if they have completed the requirements. A special summer program is open to economically and educationally disadvantaged students who have been accepted as well as to others in various stages of their undergraduate college careers. Information is available from Foster Burnett, assistant dean for student affairs.

Interviews are conducted primarily on campus but can be arranged at distant locales with alumni at the request of any applicant who has been screened positively for an interview.

Financial Aid. No questions of financial need are involved in the selection of students. All students who are accepted and wish to matriculate are advised to contact the financial aid officer immediately to discuss aid and fill out all necessary forms. All aid is given on the basis of financial need as assessed by an outside source. The need analysis is usually adjusted upward to reflect costs in the northeastern United States. Approximately 70 percent of the students receive some form of financial aid. The Financial Aid Office extends itself to help all students in financial need.

The $100 deposit may be waived in cases of financial hardship.

Timetable of Application and Acceptance for 1983-84 First-Year Class

School participates in AMCAS. See Chapter 4.

- Filing of AMCAS application
  - Earliest date: June 15, 1982
  - Latest date: Dec. 15, 1982
- School application fee after screening: $10 if interviewed
- Acceptance notice to regular applicants
  - Earliest date: Nov. 15, 1982
  - Latest date: class starting date
- Does have Early Decision Plan (EDP)
  - For New Jersey residents only
  - EDP application period: June 15-Aug. 1, 1982
  - Applicants notified by: Sept. 20, 1982
- Applicant's response to acceptance offer
  - Maximum time: 2 weeks
- Deposit to hold place in class (applied to tuition): $100, due within 2 weeks
- Deposit refundable prior to: July 1, 1983
- Estimated number of new entrants: 170
- Starting date: Aug. 29, 1983 (approx.)

Expenses per Year for 1981-82 First-Year Class

- Tuition
  - Resident: $5,500
  - Nonresident: $6,875
- Student fees: $153
- School provides microscope without charge
- Total average figure for all other expenses: $6,500

Information on 1981-82 First-Year Class

Number of	*In-State*	*Out-of-State*	*Total*
Applicants*	1,167	1,258	2,425
New Entrants †	159	11	170

*36% were interviewed.

†100% were interviewed and took the MCAT; 99% had baccalaureate degrees.

University of Medicine and Dentistry of New Jersey
Rutgers Medical School

Dr. Richard C. Reynolds, Dean
Helen S. Vlachakis, Financial Aid Officer

Address inquiries to:
Office of Admissions
UMD-Rutgers Medical School
P.O. Box 101
Piscataway, New Jersey 08854
(201) 463-4576

General Information. The Basic Science Building of Rutgers Medical School is located in Piscataway adjacent to the science campus of Rutgers University. The Institute of Mental Health Sciences, which houses the Department of Psychiatry, adjoins the Basic Science Building.

A recently completed $61-million construction program establishes the Middlesex General Hospital in New Brunswick as the major teaching facility of the school. The facility provides libraries, offices, and research and teaching laboratories. A major teaching affiliation with the Cooper Medical Center in Camden has also been established. These two centers, supplemented by the existing affiliations with community hospitals in central New Jersey, provide Rutgers Medical School with a full complement of diverse clinical training facilities.

In addition to the main campus in Piscataway, Rutgers Medical School has established a program at Camden; its first 30 students enrolled in September 1981. Separate applications are required. (The supplemental application for the Camden program is forwarded to New Jersey residents upon receipt of the AMCAS application at Rutgers Medical School.) Camden program applicants are reviewed and acted upon separately. Students who matriculate into this program receive their basic science education at the University of Medicine and Dentistry of New Jersey (UMD) New Jersey Medical School in Newark and their clinical education at Cooper Medical Center in Camden, an affiliate of Rutgers Medical School. Consequently, the M.D. degree is awarded by UMD-Rutgers Medical School.

Curriculum. The curriculum in the first two years is largely traditional. Students are exposed to clinical problems and spend a portion of time during their first two years in hospitals and the classroom discussing problems of patient care. There is a strong emphasis on behavioral sciences and psychiatry; courses in environmental medicine, epidemiology/biostatistics, and human sexuality are also included. In addition, a comprehensive course in cell biology is part of the first-year curriculum. Basic science instruction is centered in a series of 16-student multidiscipline laboratories where a high degree of individualized attention is possible. The third-year curriculum consists of clinical clerkships in medicine, psychiatry, obstetrics and gynecology, pediatrics, and surgery. A required clinical clerkship in family practice is an integral part of the fourth-year curriculum. The remainder of the fourth year is devoted to elective experiences. All grades are recorded as honors, pass, or fail.

A combined M.D.-Ph.D. degree program is available.

Requirements for Entrance. Rutgers Medical School places high value on a balanced undergraduate education. While this balance will vary with the background and interests of the individual, it is expected that applicants will have exposed themselves to course work in the humanities, the behavioral sciences, and liberal arts as well as the premedical sciences. In addition, applicants may be asked to demonstrate competence in written English.

The MCAT and a minimum of three years of college consisting of 90 semester hours of college work (exclusive of military and physical education) are required. The following undergraduate courses are also required:

	Years
Biology (with lab)	1
Inorganic chemistry (with lab)	1
Organic chemistry (with lab)	1
Physics (with lab)	1
Mathematics	(1 semester)
Course may be in any branch of college level mathematics, e.g., algebra, trigonometry, calculus, or statistics.	
English	1

Students capable of superior performance in any academic field, whether in the sciences or humanities, should feel free to pursue their intellectual interests in depth, provided only that they can do well in the required courses mentioned above. The Admissions Committee may waive or impose specific requirements at its discretion.

Selection Factors. Applicants are considered without regard to race, religion, or sex. Preference for admission, however, is given to bona fide residents of New Jersey. While no rigid quota exists, the school accepts only a small percentage of the class from outside the state. Consequently competition in this category is extremely keen, and nonresident applicants must present superior academic credentials.

Admission is determined on the basis of academic achievement in a balanced undergraduate education, results of the MCAT, preprofessional committee evaluations, other recommendations, character, motivation, and personal interview. Applications from qualified members of racial minority groups are encouraged. Interviews are arranged by invitation.

Accepted students for the 1981 entering class had a mean GPA of 3.5. Women comprised 35 percent of the entering class.

Financial Aid. Accepted students who believe they will need financial aid are encouraged to request information and application forms by writing to the Financial Aid Office. Over 80 percent of the student body received some sort of financial assistance during the 1981-82 academic year. All financial aid is awarded on the basis of evaluated need computed by an approved need analysis method. Only students who are U.S. citizens or permanent residents are eligible for most forms of financial aid. Students are expected to utilize personal and family resources and to apply for aid outside the medical school whenever possible. All awards consist of a package of loans and grants when funds are available.

Information for Minorities. UMD-Rutgers Medical School recognizes the need for minority group physicians and is responding to this need by participating in a college-wide recruitment program to increase minority group enrollment at the school. In this effort, both in-state and out-of-state applications are solicited from qualified candidates. In addition, a special introductory program has been developed for accepted students for the summer prior to enrollment.

Timetable of Application and Acceptance for 1983-84 First-Year Class

School participates in AMCAS. See Chapter 4.

Filing of AMCAS application
  Earliest date: June 15, 1982
  Latest date: Dec. 15, 1982
School application fee after screening: $10 if interviewed
Acceptance notice to regular applicants
  Earliest date: Nov. 1, 1982
  Latest date: June 15, 1983
Does have Early Decision Plan (EDP)
  EDP application period: June 15-Aug. 1, 1982
  Applicants notified by: Oct. 1, 1982
Applicant's response to acceptance offer
  Maximum time: 2 weeks
Deposit to hold place in class (applied to tuition): $50, due with response
Deposit refundable prior to: June 15, 1983
Estimated number of new entrants: 130
Starting date: Sept. 12, 1983

Expenses per Year for 1981-82 First-Year Class

Tuition
  Resident: $5,500
  Nonresident: $6,875
Student fees: $250
School provides microscope without charge
Total average figure for all other expenses: $6,500

Information on 1981-82 First-Year Class

Number of	*In-State*	*Out-of-State*	*Total*
Applicants*	1,179	1,555	2,734
New Entrants †	119	11	130

*35% were interviewed.
†100% were interviewed and took the MCAT; 99% had baccalaureate degrees.

The University of New Mexico School of Medicine

Dr. Leonard M. Napolitano, Dean
Dr. Diane J. Klepper, Assistant Dean for Admissions and Student Affairs
Gwen M. Morrison, Coordinator, Student Services

Address inquiries to:
Office of Admissions
Room 114, Basic Medical Sciences Building
The University of New Mexico
School of Medicine
Albuquerque, New Mexico 87131
(505) 277-4766

General Information. The establishment of a School of the Basic Medical Sciences was authorized by the regents and the faculty of the University of New Mexico in 1961. The first class enrolled in 1964, and a full four-year program was approved and implemented in 1966.

The School of Medicine is a professional and graduate school of the university. Located on the north campus of the university, it is one component of a developing health sciences center that includes the College of Nursing, College of Pharmacy, Cancer Research and Treatment Center, Bernalillo County Mental Health-Mental Retardation Center, Bernalillo County Medical Center, and Library of the Health Sciences.

Major clinical teaching facilities include the Bernalillo County Medical Center, the Veterans Administration Hospital, and several community hospitals. The faculty numbers 316, of whom approximately 231 serve in a full-time capacity.

Curriculum. Since its inception, the School of Medicine has been actively engaged in curriculum development and revision. In the first two years the traditional basic science subjects are taught in an integrated fashion through an organ system approach. Emphasis is placed on interdepartmental cooperation in teaching with both basic scientists and clinicians participating. Paralleling and partially integrated with the basic science curriculum in the first two years is a clinical science course that stresses understanding of the patient as a human being and development of interview and physical examination skills.

The last two years are designed to provide an in-depth study of clinical problems presented by patients in the hospital and outpatient setting. The senior year is largely elective, allowing for individualization of programs to meet the needs and desires of the students.

Requirements for Entrance. The MCAT and three years of college are required. A college program leading to the bachelor's degree from an accredited college of the arts and sciences is ordinarily recommended.

Minimum course requirements are:

	Sem. hrs.
General biology or zoology (with lab)	8
General or inorganic chemistry (with lab)	8
Organic chemistry (with lab)	8
General physics	6
College mathematics	(1 year)

Mathematics through calculus is strongly recommended.

Selection Factors. Selection is based upon scholastic achievement, performance on the MCAT, personal interviews with members of the Admissions Committee, and recommendations from college professors or a college preprofessional advisory committee. All applicants completing a full application will be invited for an interview at this school. While interview impressions from other schools will be accepted, a personal interview at this school is desirable and will enhance an applicant's chances for admission. In selection of students, the school does not discriminate on the basis of race, sex, creed, or national origin. Preference is given to residents of New Mexico and next to applicants who are residents of western states without medical schools which participate in the WICHE program. However, WICHE students must apply under the Early Decision Plan to be considered for admission. The only nonregional applicants who are given serious consideration are those applying to the School of Medicine under the Early Decision Plan.

While every effort is made to ensure that students will graduate, places are occasionally available for transfer students from two-year medical schools and U.S. residents in foreign medical schools who meet admissions standards.

To guide applicants in considering application to the School of Medicine, the following information is provided on the 1981 applicant pool: 448 total applicants, 78 accepted, 73 matriculated; 236 New Mexico applicants, 74 accepted, 69 matriculated; 10 WICHE applicants, 3 accepted, 3 matriculated; 202 nonregional applicants, 1 accepted. Some characteristics of the 1981 entering class were: *average GPA*, 3.36 (78 percent above 3.0); *sex*, 32.9 percent women; *ethnic minorities*, 16.4 percent.

Financial Aid. A limited number of scholarship grants are available for able students. These are awarded on the basis of merit and need. A short-term, no-interest loan fund is available to all students in need of immediate financial help. The Student Affairs Office assists all students in locating necessary funds to support their medical education.

Information for Minorities. The School of Medicine is committed to increasing the number of physicians from underrepresented minority groups. Applications are encouraged from underrepresented minorities, women, and socioeconomically disadvantaged New Mexico residents regardless of ethnicity.

A Basic Science Enrichment Program (BSEP) is offered for underrepresented minorities and consists of an eight-week summer academic session for entering medical students, year-round recruitment, premedical advisement, high-risk medical student counseling, and retention and advocacy efforts.

The primary purposes of the BSEP are to increase underrepresented minority applications, admissions, and retention at the University of New Mexico School of Medicine and other medical schools.

The summer enrichment course is designed to give participants an exposure to the medical school environment, the basic medical sciences, and the various modes of instruction and evaluation. Selected aspects of anatomy, biochemistry, and physiology are taught by medical school faculty and students through lectures, seminars, laboratory exercises, and small group tutorial and counseling sessions. Applicants may obtain details from the associate director, BSEP, Office for Student Affairs.

Timetable of Application and Acceptance for 1983-84 First-Year Class

School participates in AMCAS. See Chapter 4.

Filing of AMCAS application
  Earliest date: June 15, 1982
  Latest date: Dec. 1, 1982
School application fee after screening: $10
Acceptance notice to regular applicants
  Earliest date: Nov. 15, 1982
  Latest date: March 15, 1983

Does have Early Decision Plan (EDP)
  Nonresidents must apply under EDP
  EDP application period: June 15-Aug. 1, 1982
  Applicants notified by: Oct. 1, 1982
Applicant's response to acceptance offer
  Maximum time: 2 weeks
Deposit to hold place in class: none
Estimated number of new entrants: 73
Starting date: Aug. 15, 1983

Expenses per Year for 1981-82 First-Year Class

Tuition
  Resident: $1,091
  Nonresident: $2,822

Student must provide microscope
Total average figure for all other expenses: $7,466

Information on 1981-82 First-Year Class

Number of	*In-State*	*Out-of-State*	*Total*
Applicants*	236	212	448
New Entrants †	69	4	73

*53% were interviewed.

†100% were interviewed and took the MCAT; 96% had baccalaureate degrees.

Albany Medical College of Union University

Dr. Robert L. Friedlander, President and Dean
Dr. Richard H. Edmonds, Associate Dean and
Chairman, Admissions Committee
Alice Lemieux, Director, Financial Aid

Address inquiries to:
Secretary of Admissions
Albany Medical College
of Union University
47 New Scotland Avenue
Albany, New York 12208
(518) 445-5521

General Information. Founded in 1839 and a division of Union University since 1873, the Albany Medical College is coeducational, nondenominational, and privately supported. Abundant clinical facilities are provided by the Albany Medical Center Hospital and Albany Veterans Administration Medical Center.

Curriculum. The college emphasizes an integrated preclinical curriculum. Students may elect to obtain certain aspects of their clinical training in six hospitals, with which the college maintains a close affiliation, as well as in the New York State Department of Health in its Division of Laboratories and Research. During the four-year curriculum, students elect to participate for limited periods in one or more of the following programs, depending upon interest and scholarship: research, family care, and general or specialty practice preceptorships.

A graduate program is carried on within the basic science departments of the Medical College leading to both master's and Ph.D. degrees. Occasionally, highly competent individuals expressing particular motivational interests are allowed to pursue a combined M.D.-Ph.D. program of studies. Considerable opportunity in research activity is possible for medical students during the summer recess following the first and second years of study; appropriately motivated individuals are strongly encouraged to take advantage of this program.

Requirements for Entrance. The MCAT and three years of college are required. Although it usually requires four years of college to attain adequate proficiency and maturity, exceptional students are admitted after three years of college work.

When achievement in the required science courses is less than optimum, the desirability of augmenting the minimal requirements with additional experience in the fields of chemistry, embryology, genetics, and mathematics should be considered. On the other hand, the significance of a broad liberal arts background for satisfactory achievement in medicine is recognized. Accordingly, students who have majored in the arts or humanities are considered on an equal basis with those who have majored in the sciences, provided that these students have demonstrated good capability in the required science studies.

Minimal requirements are:

	Sem. hrs./Qtr. hrs.
Biology or zoology (with lab)	6/9
A course in botany alone is not acceptable for minimum requirement.	
Inorganic chemistry (with lab)	6/9
Organic chemistry (with lab)	6/9
General physics (with lab)	6/9
Should include mechanics, heat, light, sound, and electricity.	
English	6/9
Facility in composition and expression is desired.	

Selection Factors. In selecting students, emphasis is placed upon character, academic achievement, integrity, motivation, emotional stability, and social and intellectual suitability. Applicants must take the MCAT no later than the fall, one year prior to intended matriculation date. The Albany Medical College does not discriminate on the basis of age, sex, race, religion, handicap, or national or ethnic origin. Most students admitted are legal residents of New York state. Ordinarily, admission is limited to U.S. citizens.

For the 1981 entering class, all applicants had a mean cumulative GPA of 3.40. Accepted applicants for that class had a mean cumulative GPA of 3.47. Prospective applicants whose credentials do not appear competitive should carefully consider all alternatives before submitting an application.

If an interview is desired by the Committee on Admissions, the college will notify the candidate. Pertinent preapplication inquiries are welcome at any time.

Financial Aid. The college attempts to assist all students in every feasible manner through the award of scholarship and loan assistance as well as through guidance in employment. More than three-fourths of the student body receive some scholarship and/or loan assistance. An announcement regarding application for financial assistance is distributed to all students March 1 for the following academic year. Awards of scholarship and loan assistance are made in June by the Financial Aid Committee. Additional or new requests for financial assistance in the form of loans are accepted throughout the year.

In the Albany Medical Center there are opportunities for part-time employment for students. Employment however, is not generally advised for first-year students.

Information for Minorities. The college has participated in the Medical Minority Applicant Registry (Med-MAR) program since its inception, encouraging listed individuals who appear qualified to apply to the school. While no special funds are specifically designated for the support of minority group representatives, assistance is offered through regular channels. Inquiries for additional information for minorities should be directed to Dr. Robert Chodos, assistant dean for student affairs.

Timetable of Application and Acceptance for 1983-84 First-Year Class

Filing of application
  Earliest date: July 1, 1982
  Latest date: Nov. 1, 1982
School application fee to all applicants: $50
Acceptance notice to regular applicants
  Earliest date: Nov. 15, 1982
  Latest date: Sept. 1, 1983
Does not have Early Decision Plan
Applicant's response to acceptance offer
  Maximum time: 2 weeks
Deposit to hold place in class (applied to tuition): $100, due with response
Deposit refundable prior to: June 15, 1983
Estimated number of new entrants: 128
Starting date: Sept. 6, 1983

Expenses per Year for 1981-82 First-Year Class

Tuition: $14,200
Microscope rental available from school: $110
Total average figure for all other expenses: $4,980

Information on 1981-82 First-Year Class

Number of	*In-State*	*Out-of-State*	*Total*
Applicants*	1,918	815	2,733
New Entrants †	95	33	128

*23% were interviewed.

†100% were interviewed, took the MCAT, and had baccalaureate degrees.

Albert Einstein College of Medicine of Yeshiva University

Dr. Ephraim Friedman, Dean
Dr. Rosamond Janis, Chairman, Committee on Admissions
Noreen Kerrigan, Admissions Officer

Address inquiries to:
Office of Admissions
Albert Einstein College of Medicine
of Yeshiva University
1300 Morris Park Avenue
Bronx, New York 10461
(212) 430-2106

General Information. The Albert Einstein College of Medicine is a privately endowed, coeducational, nondenominational institution which occupies a 17-acre site in the suburban residential Pelham Bay Park area of the northeast Bronx.

The major teaching, clinical, and research facilities located on the main campus include the Belfer Educational Center for Health Sciences, Forchheimer Science Building, Gottesman Library, Ullmann Research Center, Chanin Institute for Cancer Research, and the Hospital of the Albert Einstein College of Medicine. Adjacent to the college is the 900-bed Bronx Municipal Hospital Center, which contains Jacobi and Van Etten hospitals, and the medical college's Kennedy Center for Research in Mental Retardation. Clinical teaching activities are also conducted at Montefiore Hospital and Medical Center, North Central Bronx Hospital, and Bronx-Lebanon Medical Center.

A variety of "outreach" facilities located throughout the Bronx are staffed by the college faculty. Medical students participate actively in the research and service activities of these centers. There is student housing on and close to the main campus.

Curriculum. Throughout the entire medical curriculum, instruction is based on concepts of integration and correlation designed to emphasize the interrelationships of disciplines in their application to the understanding of the patient as a total personality. Preclinical instruction is organized around a basic science core curriculum in which an integrated approach is provided in the teaching of organ systems, and correlations between scientific principles and clinical significances are presented. In addition to courses in biomedical science, the preclinical curriculum provides significant learning opportunities in primary care.

Clinical clerkships begin in March of the second year and include medicine, surgery, pediatrics, psychiatry, obstetrics/gynecology, and radiology. These are followed by a two-month period of lectures and seminars on the scientific basis of clinical medicine. The fourth year consists of a clerkship in neurology, ambulatory care experiences, a subinternship, and a six-month elective period. A rich and varied program of electives in the biomedical, clinical, and sociobehavioral sciences is offered during both the first and fourth years.

Students are graded on an honors/pass/fail basis.

Requirements for Entrance. The MCAT is required; four years of college and the baccalaureate degree from an accredited American or Canadian institution are preferred. In exceptional instances students may be admitted upon completion of three years of undergraduate study. Applicants must complete the following prior to enrollment:

	Years
Biology (with lab)	1
General chemistry (with lab)	1
Organic chemistry (with lab)	1
Physics (with lab)	1
Mathematics (college level)	1
English	1

Course work in quantitative analysis, biochemistry, physical chemistry, calculus, and genetics is desirable but not required.

A broad background in the social sciences and humanities is looked upon favorably by the Committee on Admissions.

The MCAT must be taken not later than the fall preceding admission. Students with numerous incomplete science requirements are at a distinct disadvantage when their applications are reviewed.

Applicants must be accepted into the medical school preliminary to consideration for the M.D.-Ph.D. program.

Selection Factors. Students are carefully selected on the basis of academic performance, letters of recommendation, MCAT scores, potential for professional achievement, and motivation and evidence of other personal qualities deemed essential for the study and practice of medicine. Applicants are considered without regard to sex, religion, national origin, or state of residence. Students who do not gain admission are discouraged from reapplying the subsequent year or until such time as they can present new data to warrant a more favorable decision.

The group of applicants for admission in September 1981 had a mean GPA of 3.36. The accepted students presented credentials significantly above this average. Members of the 1981 entering class came from 13 states and 73 undergraduate colleges; 39 percent of the class are women.

Receipt of the application will be acknowledged, and the applicant will be requested to submit letters of recommendation and the college application fee. A decision regarding a formal interview is made upon receipt of all supporting documents. Interviews are required of all applicants under serious consideration.

Financial Aid. Every attempt is made to assist students and their families in meeting both their financial obligations to the college and the student's essential personal needs. Financial status is not a determinant in selecting among qualified applicants. A limited number of awards and loans from the college are available after all other means of financial assistance have been exhausted. Applications are available only after acceptance. Advice on financial assistance and applications are available from the Student Finance Office. Seventy percent of the students have bank loans, the primary form of financial assistance; 33 percent receive financial assistance from scholarship and loan funds under college control. Application fees are waived upon written request from the financial aid officer of the undergraduate college. They are also waived upon a written request from the applicant after a fee waiver from AMCAS has been granted.

Information for Minorities. The College of Medicine is actively seeking and welcomes applications from minority students. Applicants requesting minority group consideration on the basis of ethnic background or financial status are evaluated by a subcommittee of the Committee on Admissions. A summer program in biochemistry and related subjects and tutorial assistance in first- and second-year courses are available to all students.

Timetable of Application and Acceptance for 1983-84 First-Year Class

School participates in AMCAS. See Chapter 4.

Filing of AMCAS application
  Earliest date: June 15, 1982
  Latest date: Nov. 15, 1982
School application fee to all applicants: $45
Acceptance notice to regular applicants
  Earliest date: Jan. 15, 1983
  Latest date: varies
Does not have Early Decision Plan

Applicant's response to acceptance offer
  Maximum time: 2 weeks until May 1, 1983; 1 week thereafter
Deposit to hold place in class (applied to tuition): $100, due within 2 weeks of offer until May 1, 1983; within 1 week thereafter
Deposit refundable prior to: April 1, 1983
Estimated number of new entrants: 179
Starting date: Aug. 1983

Expenses per Year for 1981-82 First-Year Class

Tuition: $9,000
Student fees: $250

School provides microscope without charge
Total average figure for all other expenses: $5,250

Information on 1981-82 First-Year Class

Number of	*In-State*	*Out-of-State*	*Total*
Applicants*	3,900	2,107	6,007
New Entrants †	125	54	179

*31% were interviewed.

†100% were interviewed, took the MCAT, and had baccalaureate degrees.

Columbia University
College of Physicians and Surgeons

Dr. Donald F. Tapley, Dean
Dr. Andrew G. Frantz, Chairman, Committee on Admissions
Joan Bennis, Director, Admissions Office

Address inquiries to:
Admissions Office
Columbia University
College of Physicians and Surgeons
630 West 168th Street
New York, New York 10032
(212) 694-3595/3596

General Information. The College of Physicians and Surgeons originated in 1767 as the Medical Faculty of King's (later Columbia) College and was the first school to award an earned doctor of medicine degree in the American colonies. The college is now a part of the Columbia-Presbyterian Medical Center.

Clinical teaching is provided at the Medical Center; Harlem Hospital Center, the Roosevelt-St. Luke's Hospital Center in Manhattan; Bassett Hospital in Cooperstown, New York; and Morristown Memorial Hospital and Overlook Hospital in New Jersey.

University housing is available for unmarried and married students.

Curriculum. The first portion of the curriculum (three years) provides information and experiences considered essential for all physicians, regardless of their ultimate area of specialization. The goals of the teaching program include the usual ones of providing students with knowledge of and experience with the techniques that physicians are expected to master. In various courses and settings, instructors and students discuss the analysis of scientific evidence to equip students with some ability, beyond the use of statistical criteria, to evaluate the new developments certain to occur in the years after graduation. Also, the program is designed to inculcate the school's attitudes about patient care, which include the attitude that the patient is not simply a disease entity and is being improperly cared for if treated as one. The concept of the patient as a whole person is fostered by means of a variety of teaching experiences that attempt to instill a belief in the importance of developing a sensitivity to the total needs of a patient. Ethical problems are discussed in these teaching sessions. While it is hoped that the need to act compassionately toward patients will be evident, the dangers of identifying with patients (that is, taking on their problems as one's own problems) are discussed as well. This aspect of the curriculum begins in the first year in a course entitled The Physician-Patient Relationship; it is taught with clinical faculty members serving as preceptors for relatively small groups of students. Further consideration of these topics occurs in a variety of settings in subsequent years.

In early July of the second year, students begin a full year of clerkships in which they participate in all of the clinical services. From July of the third year until graduation, the student follows an individually selected program of studies.

A great variety of elective courses are offered, including opportunities for study abroad. Courses may also be taken in other branches of the university. In cooperation with 14 of the university's departments and programs, an M.D.-Ph.D. program is offered for which a maximum of seven openings are usually available annually.

Courses are graded on the basis of honors, pass, and fail.

Requirements for Entrance. The MCAT and a minimum of three years of full-time study in an accredited college are required (four years are recommended).

The undergraduate program must include the following courses:

	Years
Biology	1
Mammalian biology preferred.	
General chemistry	1
Organic chemistry (with lab)	1
Physics	1
English	1

Applicants who have more than one of the required courses to complete are at a disadvantage in the competition for admission.

Admission is possible for all qualified applicants regardless of sex, race, age, religion, national origin, or handicap.

The area of undergraduate concentration is not an important selection factor.

Selection Factors. Admission is offered to those applicants who have given evidence that they are qualified to complete all of the curriculum requirements of the college and have shown the greatest promise that they are likely to graduate as ethical, compassionate, and competent physicians. Competence implies, in part, mastery of the scientific basis of medicine. Competence also requires mastery of the art of medicine for which certain personal qualities and attitudes are essential. These qualities and attitudes are evaluated by several means: the tenor of letters of recommendation, the nature of extracurricular and summer activities (assuming choice was not restricted by financial need), the breadth of the undergraduate education, and personal interview.

Each year some applicants are accepted who display extraordinary promise in regard to either the science or art of medicine, even though they do not meet, in optimal measure, all of the criteria described above.

Some characteristics of the 1981 entering class were: *sex*, 36 women; *residence*, 57 residents of 17 other states; *minorities*, 18 black and Hispanic students.

Financial Aid. Financial aid is based solely on need and consists of scholarship awards and long-term loans. Accepted applicants, along with their parents, complete a financial aid questionnaire if aid is to be requested. An appropriately-sized combination of scholarship money and loans is awarded in accordance with guidelines provided by the Financial Aid Office. Financial aid resources are equally available to the four classes.

The college cannot promise to meet fully the financial needs of students, although it makes every effort to do so. Its resources do provide aid for a substantial segment of the student body, however. About 68 percent of the students currently receive financial aid.

Information for Minorities. The college welcomes applications from qualified minority students. Members of minority groups constitute 20 percent of the Committee on Admissions. Beyond three years of college and the required courses, the admissions criteria are, within limits, flexible for all applicants. The committee has interviewed more than 1,600 minority group applicants in the past seven years; the evaluation it accords such applicants is, therefore, both informed and, as with all applicants, highly individualized.

All students have the same educational program and equal access to resources for financial aid and tutorial assistance.

Timetable of Application and Acceptance for 1983-84 First-Year Class

Filing of application
  Earliest date: June 1, 1982
  Latest date: Oct. 15, 1982
School application fee to all applicants: $40
Acceptance notice to regular applicants
  Earliest date: Feb. 1, 1983 (approx.)
  Latest date: varies

Does not have Early Decision Plan
Applicant's response to acceptance offer
  Maximum time: 3 weeks
Deposit to hold place in class: none
Estimated number of new entrants: 148
Starting date: Sept. 1983

Expenses per Year for 1981-82 First-Year Class

Tuition: $8,600
Student fees: $445
Microscope rental available from school: $150
Total average figure for all other expenses: $6,125

Information on 1981-82 First-Year Class

Number of	*In-State*	*Out-of-State*	*Total*
Applicants*	‡	‡	3,529
New Entrants †	93	57	150

*30% were interviewed.
†100% were interviewed, took the MCAT, and had baccalaureate degrees.
‡Data not available.

Cornell University Medical College

Dr. Thomas H. Meikle, Jr., Dean
Dr. Arthur W. Feinberg, Associate Dean and Chairman, Committee on Admissions
Joan M. May, Assistant Dean (Financial Aid)

Address inquiries to:
Office of Admissions
Cornell University Medical College
445 East 69th Street
New York, New York 10021
(212) 472-5673

General Information. Cornell University Medical College was established in 1898. Although the university is situated in Ithaca, the Medical College was opened in New York City to take advantage of the facilities of a large urban area. Clinical instruction is carried on in the New York Hospital; Memorial Sloan-Kettering Cancer Center; Hospital for Special Surgery; Manhattan Eye, Ear, and Throat Hospital; North Shore University Hospital in Manhasset, New York; and Burke Rehabilitation Center in White Plains, New York. Housing owned by Cornell is available for both single and married students in the immediate vicinity of the medical center.

Curriculum. The four-year curriculum at Cornell provides the foundation for a career in any area of medicine. Many Cornell alumni are engaged in academic and research work as well as in the clinical practice of medicine. Instruction is conducted in small groups whenever possible, using seminars, clinical tutorials, and special projects; interdisciplinary teaching is emphasized. Each student has a faculty adviser, who throughout the four years provides counseling and guidance. The elective program begins in the first year and provides for the development and expression of individual interests and talents.

The basic sciences are taught in the first two years. Clinical instruction begins in the first year and includes the rudiments of physical diagnosis, interviewing technique, and social and emotional aspects of disease. The third-year medical student functions as an important member of a clinical team composed of residents and attending staff in the affiliated hospitals of the medical center. The student encounters a wide spectrum of human disease while rotating through the clinical services of medicine, neurology, obstetrics and gynecology, pediatrics, psychiatry, public health, and surgery. In the fourth year, students can correlate the preceding experiences of medical school, begin to function effectively in the physician's role, and sharpen their clinical skills in preparation for residency training. Presently, the fourth year is primarily elective, and students have latitude in choosing their own programs; however, this is subject to change. Performance is graded by an honors/pass/fail system supplemented by detailed faculty evaluations.

Separate M.D.-Ph.D. programs with the adjacent Rockefeller University, Memorial Sloan-Kettering Cancer Center, and the Cornell Graduate School of Medical Sciences are offered to selected students who may satisfy requirements for both degrees a minimum of six years.

Requirements for Entrance. A minimum of three years in an accredited college is required; most students have completed four years of undergraduate work and hold a baccalaureate degree. The Committee on Admissions does not establish rigid guidelines for the course of preparation for medical school. It is felt that a strong background in the sciences is important; for nonscience majors, at least two terms of biology beyond the introductory course are suggested. The minimal requirements for admission are:

	Sem. hrs.
General biology or zoology	6
General chemistry	6
Organic chemistry	6
General physics	6
English	6

Calculus is strongly recommended but not required.

All required premedical courses should be completed no later than the end of January of the year for which admission is sought.

Selection Factors. Students are selected for their leadership potential in various areas of medicine. There is an attempt to select the best qualified students from various academic, geographic, and social backgrounds. Maturity, stability, motivation, academic achievement, and other qualities are evaluated. Recent preparation for the study of medicine, particularly in the sciences, is preferred.

The fall 1981 entering class had the following characteristics: *sex*, 34 women; *mean science GPA*, 3.65; *residence*, 62 students from the state of New York.

Cornell University Medical College does not discriminate on the basis of race, sex, creed, national origin, age, or handicap.

Students who are unsuccessful in gaining acceptance to Cornell University Medical College are rarely successful on reapplication unless there has been substantial improvement in their qualifications.

Financial Aid. Admissions decisions are made without regard to financial need. Every effort is made to assist students to finance their medical education without incurring unreasonable debt. Substantial institutional grants and loans are available and are allocated according to need after an analysis of student and family resources. Students are also advised to explore state and private scholarship and loan programs. Fifty-five percent of the students receive institutional support, and 75 percent receive outside grants and/or loans. Part-time employment is strongly discouraged, but assistance is given in arranging summer employment.

Information for Minorities. There is a special effort to enroll qualified minority group students, especially black and Hispanic-American students from the northeastern part of the country. There is no separate application procedure for minority group applicants. Seventeen minority group students were in the fall 1981 entering class.

Cornell conducts a research fellowship program for about 20 minority group premedical students during the summer between their junior and senior college years. The program consists of research activities with faculty members of the medical center and brief course work in cardiovascular physiology which provides a preview of the basic science years of medical school. The participants usually are housed in the medical students' residence.

The same financial aid resources are available to all students. The application fee will be waived if it represents a hardship to the applicant.

Timetable of Application and Acceptance for 1983-84 First-Year Class

School participates in AMCAS. See Chapter 4.

Filing of AMCAS application
  Earliest date: June 15, 1982
  Latest date: Nov. 15, 1982
School application fee to all applicants: $40
Acceptance notice to regular applicants
  Earliest date: Oct. 15, 1982
  Latest date: Sept. 10, 1983
Does not have Early Decision Plan

Applicant's response to acceptance offer
  Maximum time: 2 weeks
Deposit to hold place in class (applied to tuition): $100, due within 2 weeks after offer
Deposit refundable prior to: June 15, 1983
Estimated number of new entrants: 101
Starting date: Aug. 29, 1983

Expenses per Year for 1981-82 First-Year Class

Tuition: $9,000
Microscope rental available from school: $115

Total average figure for all other expenses: $5,800

Information on 1981-82 First-Year Class

Number of	*In-State*	*Out-of-State*	*Total*
Applicants*	2,499	4,375	6,874
New Entrants †	62	40	102

*17% were interviewed.

†100% were interviewed and had baccalaureate degrees; 99% took the MCAT.

Mount Sinai School of Medicine of the City University of New York

Dr. Thomas C. Chalmers, Dean
Dr. Barry Stimmel, Dean of Admissions, Academic and Student Affairs
Dr. Marvin Fogel, Associate Dean of Admissions

Address inquiries to:
Jay A. Cohen
Assistant Dean, Admissions and Student Affairs
Room 5-04, Annenberg Building
Mount Sinai School of Medicine
One Gustave L. Levy Place
New York, New York 10029
(212) 650-6696

General Information. Mount Sinai School of Medicine, an integral part of the Mount Sinai Medical Center, is privately endowed, coeducational, and nondenominational. Developed from the 125-year tradition of patient care, professional education, and research of the Mount Sinai Hospital, it enrolled its first students in 1968 and is officially affiliated with the City University of New York.

The Medical Center's 22 buildings include a hospital, numerous research and service laboratories, teaching facilities, the School of Nursing, the Postgraduate School of Medicine, and the Graduate School of Biological Sciences.

The Mount Sinai Hospital, a 1,300-bed facility with a clinical research center, constitutes the basic resource for clinical training. The school is also affiliated with the City Hospital Center at Elmhurst, Beth Israel Medical Center, Hospital for Joint Diseases, and Bronx Veterans Administration Hospital.

Curriculum. The curriculum of the School of Medicine represents a philosophy balancing the educational needs of the physician and integrating quantitative biology with clinical medicine. Provision is made for close integration of preclinical and clinical sciences and instruction in social aspects of disease and medical care.

The framework of the curriculum in the first two years includes a period of instruction in the language and principles of the basic sciences, followed by integrated interdepartmental teaching of organ systems or clinical disciplines, including early exposure to clinical medicine. The third year and part of the fourth year permit more intensive study of organ system diseases by means of rotation through various clinical disciplines. In addition to the extensive facilities of the Mount Sinai Hospital, the other four hospitals affiliated with the school are used for clinical teaching. The remainder of the fourth year is elective time.

The objective of the School of Medicine is to provide a climate that will stimulate individual development in research and clinical skills, emphasize creativity, strengthen a desire to extend the learning process for the entire life cycle, and foster the dedication of medical knowledge for the benefit of all.

Requirements for Entrance. A minimum of three years of college and the MCAT are required. Most students admitted have earned the bachelor's degree. The prospective student should have basic knowledge of the biological and physical sciences and mathematics, plus an appreciation of the social forces influencing man. Students majoring in nonscience disciplines who meet all admission requirements will be given consideration on an equal basis with those having specific scientific backgrounds.

Admission requirements include accredited college work in the following subjects:

	Years
Biology	1
Inorganic chemistry	1
Organic chemistry	1
Physics	1
Mathematics	1
English	1

Psychology and a second year of biology (embryology, comparative anatomy) and/or chemistry (physical chemistry, advanced organic chemistry) are recommended.

Selection Factors. The school is keenly interested in a total appraisal of a student's potential for a career in medicine. Excellence in scholarship, personal maturity, integrity, intellectual creativity, and motivation for medicine are important factors. The interview is given considerable weight; premedical advisory committee letters of recommendation and MCAT scores are criteria for evaluation. All applicants, regardless of race, creed, sex, age, handicap, or national origin, are given serious and thorough consideration by the Admissions Committee.

Accepted students for the 1981 entering class had the following characteristics: *mean GPA*, 3.57 (93 percent above 3.0); *sex*, 39 percent women. Distribution of undergraduate major reflects the distribution in the applicant pool.

Financial Aid. It is the policy of the school to provide as much financial assistance as possible to students who require such assistance in order to maintain attendance. Students who are accepted for admission are provided financial assistance applications on which they may document their request for financial aid. Applications are treated confidentially, and awards are made by a faculty committee on financial aid. Each applicant is considered on an individual basis so that the greatest support for the most needy students can be distributed.

Financial aid may be offered in the form of a scholarship, a loan, or both, in accordance with the requirements of the individual situation and the availability of funds in the various categories. Over 50 percent of the students receive financial assistance.

Information for Educationally Disadvantaged. Strongly motivated students from educationally deprived backgrounds are actively sought and encouraged to apply. A pre-entrance summer program is available for students who are accepted to the freshman class. Tutorial assistance is available for all students.

Timetable of Application and Acceptance for 1983-84 First-Year Class

Filing of application
  Earliest date: Aug. 1, 1982
  Latest date: Oct. 31, 1982
School application fee to all applicants: $50
Acceptance notice to regular applicants
  Earliest date: Nov. 15, 1982
  Latest date: varies
Does not have Early Decision Plan
Applicant's response to acceptance offer
  Maximum time: 2 weeks
Deposit to hold place in class (applied to tuition): $100, due with response
Deposit refundable prior to: March 1, 1983
Estimated number of new entrants: 100
Starting date: Sept. 1, 1983

Expenses per Year for 1981-82 First-Year Class

Tuition: $9,000
Student fees: $345
Microscope rental available from school: $110
Total average figure for all other expenses: $6,395

Information on 1981-82 First-Year Class

Number of	*In-State*	*Out-of-State*	*Total*
Applicants*	2,079	1,356	3,435
New Entrants †	72	28	100

*25% were interviewed.

†100% were interviewed, took the MCAT, and had baccalaureate degrees.

New York Medical College

Dr. Samuel H. Rubin, Dean
Dr. Adolph Brink, Director of Admissions
Arthur T. Appleyard, Financial Aid Officer

Address inquiries to:
Office of Admissions
Room 338, Elmwood Hall
New York Medical College
Valhalla, New York 10595
(914) 347-5020

General Information. New York Medical College is an independent, privately endowed medical college which was chartered by the state of New York in 1860. In 1968, with the need of space for further growth, the college accepted an invitation to relocate its major facilities in Westchester County to form the core of the new Westchester Medical Center at Valhalla, New York. Students undertake the first half of their medical studies, the basic sciences, at the Westchester Campus. The college facilities in Westchester, New York City, Staten Island, Rockland, and Ulster counties and nearby Connecticut provide a broad range of basic science and clinical facilities which include municipal, county, federal, and voluntary hospitals as well as neighborhood and satellite clinics.

Curriculum. The medical school's curriculum offers a wide range of educational experiences, varied patient populations and hospitals, and a diversified faculty. A combination of core and departmental curricula, emphasizing interdisciplinary teaching, is under constant supervision by the Education and Curriculum Committee composed of faculty and students.

The sciences basic to medicine are taught in the first two years. In the first year the curriculum includes anatomy, histology, biochemistry, physiology, neural sciences, and behavorial science. The program for the first three-quarters of the second year consists of microbiology, pathology, and pharmacology. Clinical correlations are an integral part of each of these courses. The last quarter of the second year is devoted to an introduction to clinical medicine in which genetics, clinical immunology, and pathophysiologic mechanisms are discussed by an interdisciplinary faculty. A major segment of this program is a closely supervised course in physical diagnosis given at selected affiliated hospitals. Summers after the first and second years are free. Clinical electives are available during these periods in urban, suburban, and rural settings as well as opportunities to pursue research interests in basic science and clinical departments. The third year, which runs for a full calendar year, consists of clinical clerkships in medicine, surgery, obstetrics/gynecology, pediatrics, and psychiatry at affiliated teaching hospitals. In the fourth year there are three months of required clinical rotations, which include medicine (subinternship), neurology and rehabilitation medicine, and community and preventive medicine. The remaining six months are available for elective experiences which the students select with the counsel of their adviser and the dean of student affairs.

Requirements for Entrance. The MCAT and a premedical curriculum are required. The most satisfactory preparation for the study of medicine at New York Medical College is the completion of a college course leading to a baccalaureate degree from an accredited college of arts and science in the United States or Canada. The faculty has no preference as to major field of undergraduate study, but the college work must include specific credits in the following courses:

	Years
Biology (with lab)	1
Must include vertebrate zoology.	
Inorganic chemistry (with lab)	1
Organic chemistry (with lab)	1
Physics (with lab)	1
English	1

Solid preparation in basic sciences is essential, but a broad background in the humanities is also important.

Selection Factors. The criteria for acceptance are integrity, ability and willingness to assume responsibility, high academic achievement, emotional stability, intellectual curiosity, and sound motivation. The college strives to select students who have a deep sense of honor, who possess a genuine respect for every individual, who have a high regard for service to their fellow human beings, and who are able to deal fairly and courageously with others. It is the responsibility of the Committee on Admissions to select those applicants who it believes are best qualified for and will benefit most from the program of medical education at New York Medical College.

New York Medical College actively seeks applicants of both sexes and all racial, religious, and ethnic groups. Neither age nor handicap is a factor in selection. Reapplication by previously rejected applicants without significant change in credentials is not recommended.

Financial Aid. Financial aid is awarded to students in good standing based on demonstration of financial need following a careful review by the Faculty Financial Aid Committee. Financial aid will be related to available state and federal programs. The college makes every effort to help; however, the primary responsibility for financing a medical education rests with the student. In addition to the regular state and federal scholarship and loan programs, limited financial aid is available to students from the college through use of school funds and loan programs made available under the auspices of the Parents Council and other sources. More than 60 percent of the student body receive some sort of financial assistance. Emergency financial assistance is available in the form of noninterest-bearing loans under a program initiated by members of the student body. Students are discouraged from seeking outside employment during the academic year. Employment opportunities are available during the free summer months.

Timetable of Application and Acceptance for 1983-84 First-Year Class

School participates in AMCAS. See Chapter 4.

Filing of AMCAS application
  Earliest date: June 15, 1982
  Latest date: Dec. 1, 1982
School application fee to all applicants: $50
Acceptance notice to regular applicants
  Earliest date: Jan. 15, 1983
  Latest date: Aug. 1983
Does have Early Decision Plan (EDP)
  EDP application period: June 15-Aug. 1, 1982
  Applicants notified by: Oct. 1, 1982
Applicant's response to acceptance offer
  Maximum time: 2 weeks
Deposit to hold place in class (applied to tuition): $100, due within 2 weeks of offer
Deposit refundable prior to: June 15, 1983
Estimated number of new entrants: 176
Starting date: Aug. 22, 1983

Expenses per Year for 1981-82 First-Year Class

Tuition: $10,400
Student fees: $163
Student must provide microscope
Total average figure for all other expenses: $7,034

Information on 1981-82 First-Year Class

Number of	*In-State*	*Out-of-State*	*Total*
Applicants*	1,932	1,486	3,418
New Entrants †	137	38	175

*30% were interviewed.

†100% were interviewed and took the MCAT; 99% had baccalaureate degrees.

New York University School of Medicine

Dr. Ivan L. Bennett, Jr., Dean
Raymond J. Brienza, Assistant Dean of Admissions
and Financial Aid

Address inquiries to:
Office of Admissions
New York University
School of Medicine
550 First Avenue
New York, New York 10016
(212) 340-5290

General Information. The New York University School of Medicine was founded in 1841 when it admitted a class of 239 students to a four-month course of lectures conducted by six professors on the faculty. The medical school is a constituent of New York University (NYU), one of the oldest and largest private universities in the United States.

Curriculum. Several changes in the curriculum in recent years have had the effect of restructuring teaching material in such a way as to bring out correlations among the basic science disciplines. A modern medical school curriculum may fall into three types: classical, core, and correlative. In the classical system there is a strong dependence on systematic and taxonomic approaches to teaching. In the core system, there is an emphasis on selected basic mechanisms. In the correlative system that NYU has evolved, there is a strong effort to bring into definable relationships various aspects of several disciplines. After two years in basic science, the NYU student serves in the third year on the hospital wards as a clinical clerk. In the fourth year students divide their time between elective programs of their own choosing and selective programs under faculty guidance.

Requirements for Entrance. The requirements for admissions are: the MCAT, a minimum of three years of college work, and the following courses plus an acceptable concentration in any of these fields, or in any other field, at the college level:

	Sem. hrs.
Biology (with lab)	6
Inorganic chemistry (with lab)	6
Organic chemistry (with lab)	6
General physics (with lab)	6
English	6

Genetics and a course in embryology or developmental biology are recommended for students who select extra work in biology and have all options open to them as far as their college is concerned.

Physical chemistry is recommended for students who elect extra work in chemistry.

It is strongly recommended that candidates complete their college work for the baccalaureate degree.

Applicants should take the MCAT in the spring of the year in which they are applying to medical school to achieve an earlier processing of their applications in the fall. In no case should the MCAT be taken later than fall of the application year.

Selection Factors. The selection process involves judging the applicant from several viewpoints, among them the following: excellence in course work at the college level; evaluation of the student by college instructors, premedical committees, and other similar mechanisms provided by the colleges; an interview at NYU; and the results of the MCAT. The Committee on Admissions does not computerize the candidate's profile in terms of MCAT scores and GPAs because qualitative considerations, such as college evaluation and interview impressions, are also given great weight in the final evaluation. The Committee on Admissions does lend some weight to trends in the student's college progress. Students who may, for one reason or another, get off to a slow start in college and then show that they are capable of honors work in later years are given sympathetic consideration, regardless of GPAs.

The medical school's student body is drawn mainly from the eastern seaboard—a reflection of the composition of the applicant pool. Applications from outside the region are welcome. NYU is a private institution and has no geographical or other quotas. It should be noted, however, that foreign nationals who do not hold a permanent resident visa have only a slight chance of being admitted.

There is no official policy governing the number of women students. Women have constituted from 30 to 33 percent of recent entering classes. The acceptance rates for men and women are approximately the same.

Only those students who on the basis of application data appear to merit serious consideration for admission are interviewed.

Financial Aid. The Financial Aid Office reviews all applications for financial assistance. The school's resources are drawn from scholarships and loan programs. Enrolled students and those students accepted for admission to the school are eligible to file applications for assistance. The School of Medicine participates in the Health Professions Student Loan Program and the National Direct Student Loan Program, which provide low interest support for deserving students. Loans are also available through the New York Higher Education Assistance Corporation. Many residents of the state of New York are eligible for the New York State Board of Regents Medical Scholarships, which are offered on the basis of competitive examinations. New York State Tuition Assistance Awards are not competitive and are available to many state residents who are degree candidates.

Applicants requesting financial aid must file a Financial Aid Form (FAF) with the College Scholarship Service. (See Chapter 6 for details.)

Information for Minorities. Minorities are welcomed into the school, and their admission rate has grown. Every effort is made in the case of all candidates, including minorities, to reach some determination on motivation, character, and capacities of the candidate, regardless of such standard measures as test scores and college performance. Considerable reliance is placed on the evaluation of students by their college teachers. This is particularly important in terms of the candidate's motivation under adverse circumstances. It is possible to have application fees waived in cases of demonstrated need.

Timetable of Application and Acceptance for 1983-84 First-Year Class

Filing of application
  Earliest date: Aug. 15, 1982
  Latest date: Dec. 15, 1982
School application fee to all applicants: $35
Acceptance notice to regular applicants
  Earliest date: Dec. 15, 1982
  Latest date: Sept. 1, 1983
Does not have Early Decision Plan

Applicant's response to acceptance offer
  Maximum time: 2 weeks
Deposit to hold place in class (applied to tuition): $100, due within 2 weeks of offer
Deposit refundable prior to: May 1, 1983
Estimated number of new entrants: 170
Starting date: Sept. 1, 1983

Expenses per Year for 1981-82 First-Year Class

Tuition: $8,700
Student fees: $600

Microscope rental available from school: $150
Total average figure for all other expenses: $4,500

Information on 1981-82 First-Year Class

Number of	*In-State*	*Out-of-State*	*Total*
Applicants*	‡	‡	4,570
New Entrants †	118	50	168

*31% were interviewed.
†100% were interviewed and took the MCAT; 99% had baccalaureate degrees.
‡Data not available.

University of Rochester
School of Medicine and Dentistry

Dr. Frank E. Young, Vice President
for Health Affairs and Dean
Dr. J. Donald Hare, Associate Dean for Admissions
and Chairman, Committee on Admissions

Address inquiries to:
Committee on Admissions
University of Rochester
School of Medicine and Dentistry
University of Rochester Medical Center
Box 601
Rochester, New York 14642
(716) 275-4539

General Information. The School of Medicine is a privately endowed institution founded in 1920. Its educational facilities include a basic science wing and a teaching hospital, which opened in early 1975. Clinical teaching is also conducted at affiliated hospitals within the community. Opportunities for independent work include an independent studies program, summer and full-year fellowships, and a wide selection of elective offerings. More than half of the students elect participation in research.

Curriculum. A tutorial system and a broad elective program in both the preclinical and clinical years have been instituted. A thorough knowledge of the basic medical sciences is emphasized in the first two years in both departmental and interdisciplinary courses. Correlations between basic scientific information and clinical disease are presented in regular course work and may be supplemented in elective offerings. A general clerkship is given at the start of the third year. This is an intensive, closely supervised course in which the student learns the basic techniques of clinical medicine, including the interview, the physical examination, and clinical laboratory methodology. Students complete their basic departmental clerkships during the remainder of the third year. The fourth year is devoted to advanced clinical work in emergency and ambulatory care and in selected medical specialties. A portion of the fourth year is available for elective experiences.

Individual tutoring and remedial work are available to all students in the school with special academic needs.

An M.D.-Ph.D. program is offered.

Requirements for Entrance. A minimum of three years of college is required. The MCAT is not required.

College work must include:

	Years
Biology	1
Chemistry	2
Must include one year of organic chemistry.	
Physics	1
English	1

The Committee on Admissions emphasizes that these are minimal requirements. The committee is particularly concerned that students achieve a high level of competence in writing and communications skills.

Selection Factors. Evaluation of applicants includes a careful examination of the entire academic record, letters of recommendation, and the candidate's personal statement. Candidates who show particular promise of achievement are invited for interviews at the school.

Demonstrated excellence in a demanding academic program, including a high level of achievement in the natural sciences, is an absolute requirement for acceptance. Evidence of intrinsic intellectual drive and curiosity is highly valued since the program at Rochester emphasizes independent opportunities for individual students. Particular attention is given to achievements that demonstrate breadth and commitment. The school is characterized by an atmosphere in which students and faculty work closely together towards the attainment of knowledge and understanding and in which patients are treated with compassion and sensitivity. Students are sought who will contribute to this climate for learning.

Selections are made without regard to sex, race, religion, national origin, age, or handicap. New York state residents are given preference, but well qualified applicants from other parts of the United States are encouraged to apply. Applications are accepted from U.S. citizens and from permanent residents who have completed at least two years of college study in the United States. Few students are accepted without the baccalaureate degree.

Students who have been unsuccessful in gaining admission to the medical school are discouraged from reapplying unless their qualifications have been significantly improved.

Financial Aid. Accepted applicants may apply for financial aid to the Office of Financial Aid. For determining financial aid eligibility, the student must file the financial statement provided through GAPSFAS (see Chapter 6 for details), the School of Medicine's Financial Aid Application, and a copy of the parents', student's, and spouse's most recent federal tax returns. The school's application will be mailed with the acceptance letter.

The medical school offers scholarship and long-term loan funds to those students who demonstrate financial need. These funds are available for all four years of study. However, it is the student's responsibility to apply for aid annually. In 1980-81, 92 percent of the enrolled students received some form of financial assistance from either school or noninstitutional sources. The university is also able to assist students, where appropriate, in finding part-time employment. Admissions decisions are made without regard to financial need.

The application fee for admission will be waived for any applicant with major financial need upon written request by the candidate.

Information for Minorities. The school recognizes the need for greater representation of minority groups in medicine and encourages qualified minority students to apply.

Timetable of Application and Acceptance for 1983-84 First-Year Class

Filing of application
  Earliest date: July 1, 1982
  Latest date: Nov. 1, 1982
School application fee to all applicants: $40
Acceptance notice to regular applicants
  Earliest date: Oct. 15, 1982
  Latest date: varies
Does not have Early Decision Plan

Applicant's response to acceptance offer
  Maximum time: 3 weeks
Deposit to hold place in class: none
Estimated number of new entrants: 100 (includes 10 in special early admission program from University of Rochester undergraduate college)
Starting date: Sept. 1, 1983

Expenses per Year for 1981-82 First-Year Class

Tuition: $8,800
Student fees: $286

Microscope rental required from school: $160 (first- and second-year students)
Total average figure for all other expenses: $5,350

Information on 1981-82 First-Year Class

Number of	*In-State*	*Out-of-State*	*Total*
Applicants*	1,726	1,498	3,224
New Entrants †	73	27	100‡

*18% were interviewed.

†100% were interviewed; 92% took the MCAT; 95% had baccalaureate degrees.

‡Of the total new entrants, seven were in special early admission program from University of Rochester undergraduate college.

State University of New York at Buffalo School of Medicine

Dr. John Naughton, Dean
Dr. Harry L. Metcalf, Director of Admissions
Dr. John A. Richert, Assistant Dean

Address inquiries to:
Office of Medical Admissions
Room 138, Farber Hall
State University of New York at Buffalo
School of Medicine
Buffalo, New York 14214
(716) 831-3466

General Information. The School of Medicine was founded by Millard Fillmore and a group of physicians in 1846. It was a privately supported school until the University of Buffalo joined the State University of New York (SUNY) system in 1962. Its preclinical campus and library are located on the Main Street Campus at the northeastern corner of the city. The clinical education is conducted in hospitals located throughout the city of Buffalo.

Curriculum. The curriculum provides a basic core supplemented by elective opportunities. A selective program designed to provide learning opportunities in socially important areas, such as alcoholism, geriatrics, disability, ethics, and the humanities is included. The third year includes clerkship experiences in internal medicine, surgery, pediatrics, obstetrics and gynecology, psychiatry, and specialties/family medicine.

Several educational programs are offered in addition to the standard four-year course: an accelerated track leading to an M.D. degree in three years, limited to a small number of students; combined M.D.—Ph.D. degree programs for students with interest in research careers; and summer programs prior to the first year and following both the first and second years for students who either require or desire a decelerated pace or wish to enrich their programs through research pursuits. The fourth year is individually planned under faculty supervision and includes required experiences in ambulatory care, inpatient medicine, and neurology in addition to a minimum of five electives. The grading system utilizes honors, satisfactory, unsatisfactory, and incomplete. Grades are based on designated criteria.

Requirements for Entrance. The MCAT is required. A bachelor's degree from an approved college or university is desired, although in exceptional cases students will be admitted after three years of undergraduate studies. The MCAT should be taken no later than the fall of the year preceding admission. All prerequisites must be completed prior to enrollment.

The minimal premedical course requirements are:

	Years
Biology (with lab)	1
A one-year course in zoology is acceptable as is a combination of botany and zoology; a one-year course in botany alone, however, is not acceptable.	
General or inorganic chemistry (with lab)	1
Organic chemistry (with lab)	½
General physics	1
English	1

In addition to the above, mathematics through calculus is strongly recommended, and embryology and genetics are advantageous. Quantitative and physical chemistry are also desirable.

The choice of undergraduate concentration is optional. The prerequisites for admission, while reflecting the importance of a sound preparation in the sciences, are meant to encourage the student to develop a foundation in the social sciences and the humanities as well.

Selection Factors. The Admissions Committee seeks to identify and select students who display favorable qualities deemed important for the pursuit of a career in medicine. These qualities include compassion and concern for the needs of others, commitment to help solve problems of providing health care in our country, motivation to study medicine, and the basic preparation and intellectual ability to assume the heavy burden of medical education. In making its assessments and determinations, the committee relies on information contained in the application and in documents submitted in support of the applicant, such as the evaluation by the applicant's premedical advisory committee, the academic record, and the MCAT scores. Based on careful screening, applicants are invited to appear for interviews with members of the Admissions Committee, after which final decisions are made. Reapplications are treated no differently than initial applications. Rejected applicants should seek the advice and counsel of their premedical adviser. Undergraduate premedical advisers are encouraged to contact the Office of Medical Admissions.

Students are accepted without regard to age, national origin, race, religion, sex, or physical handicap. Preference is given to residents of New York state. Applications are not accepted from foreign nationals. There are 135 places in the first-year class.

Financial Aid. Requests for financial aid are considered after admission, and awards are made based on the student's need as estimated by the university Office of Financial Aid and the College Scholarship Service. (See Chapter 6 for details.) It is expected that where resources are available, parents will assume financial responsibility for the student's education. In all financial aid requests, parental income information is required regardless of dependency status.

Information for Minorities. The SUNY-Buffalo School of Medicine is committed to providing educational opportunity for members of racial and socioeconomic groups currently underrepresented in the medical profession. The School of Medicine has a strong minority program, including an active recruitment policy and the provision of enrichment opportunities during the summer months and the academic year. As part of this program, the Admissions Committee makes a special effort to identify qualified applicants for consideration as candidates for admission.

Timetable of Application and Acceptance for 1983-84 First-Year Class

School participates in AMCAS. See Chapter 4.

Filing of AMCAS application
  Earliest date: June 15, 1982
  Latest date: Dec. 1, 1982
School application fee to all applicants: $40
Acceptance notice to regular applicants
  Earliest date: Oct. 1982
  Latest date: Aug. 15, 1983

Does not have Early Decision Plan
Applicant's response to acceptance offer
  Maximum time: 2 weeks
Deposit to hold place in class: none
Estimated number of new entrants: 135
Starting date: Aug. 15, 1983

Expenses per Year for 1981-82 First-Year Class

Tuition
  Resident: $4,300
  Nonresident: $6,300
Student fees: $30

School provides microscope without charge: student must provide insurance
Total average figure for all other expenses: $6,265

Information on 1981-82 First-Year Class

Number of	*In-State*	*Out-of-State*	*Total*
Applicants*	2,796	492	3,288
New Entrants †	132	3	135

*20% were interviewed.

†100% were interviewed and took the MCAT; 99% had baccalaureate degrees.

State University of New York
Downstate Medical Center
College of Medicine

Dr. Stanley L. Lee, Dean
Dr. Frederick L. Tunick, Associate Dean and
Chairman of Admissions
Natalie Paully, Coordinator, Student Financial Aid

Address inquiries to:
Office of Admissions, Box 60
State University of New York
Downstate Medical Center
College of Medicine
450 Clarkson Avenue
Brooklyn, New York 11203-9967
(212) 270-2735

General Information. The College of Medicine had its origin in 1860 as the Teaching Division of the Long Island College Hospital and merged with the State University of New York (SUNY) in 1950, becoming the first unit of the Downstate Medical Center. The 350-bed State University Hospital opened in 1966. In addition to its own hospital, the Medical Center is affiliated with 10 other community hospitals with a total of 10,700 beds. The teaching staff numbers 584 full-time and 1,884 voluntary faculty members.

Curriculum. A four-year program is offered with the first two years consisting primarily of basic sciences. During the second year the student is introduced to clinical medicine through a course in preparation for clinical medicine and laboratory medicine. Correlation between basic science information and clinical disease is presented throughout the first two years. One afternoon per week is available for elective work during the first two years.

The third year consists of five basic departmental clerkships. The entire fourth year is available for elective experiences.

All courses are graded satisfactory, unsatisfactory, or honors.

Requirements for Entrance. The MCAT and three years of college are required. Applicants with a bachelor's degree are preferred. Course requirements are:

	Years
General biology or zoology (with lab)	1
Inorganic chemistry (with lab)	1
Organic chemistry (with lab)	1
General physics (with lab)	1
English	1

If freshman English is exempted, a more advanced course is required.

A course in college mathematics and at least one advanced science course are recommended.

Preview courses in medical subjects are not recommended. Other college courses should be chosen with a view toward obtaining a broad educational background. In selecting a major the student should be strongly influenced by personal inclinations. Applicants are strongly urged to take the MCAT in the spring of the year of application and to complete the required premedical courses at the time of application.

Selection Factors. The Committee on Admissions endeavors to consider the total qualifications of each applicant without regard to race, sex, creed, or national origin. Decisions are based on college records, letters of recommendation, MCAT scores, and impressions at the time of interview. All interviews are conducted at the College of Medicine. If the MCAT is not given in New York state, the test will not be required.

New York state residents receive preference. Foreign nationals must have permanent resident status in the United States in order to be considered for admission. Minority students, especially those in the tri-state area, are encouraged to apply.

Applicants with GPAs below 3.0 have little or no chance of being accepted.

Accepted students for the 1981 entering class had the following characteristics: *mean GPA*, 3.62; *mean MCAT scores*, *B*-10.6, *C*-10.9, *P*-11.1, *SP*-10.8, *SA:R*-9.3, *SA:Q*-9.7; *sex*, 24.5 percent women; *residence*, 4 percent nonresidents.

All applications must be submitted through AMCAS. Applicants who are reapplying must submit a new AMCAS application.

Financial Aid. Under the state's current scholarship program, tuition for residents may be substantially reduced in relation to financial need. In addition to the Tuition Assistance Program Awards and the state university waivers, New York state offers Regents Scholarships and loans through the guaranty loan plan of the New York Higher Education Assistance Corporation. Financial assistance in the form of scholarships, fellowships, and loans is also available through the college.

Approximately 85 percent of the student body receive some type of financial aid.

Part-time jobs for medical students are available through the College Work-Study Program and other sources. First-year students are advised against accepting part-time employment unless it is imperative that they do so.

Applicants' ability to pay does not affect their chances for admission.

Timetable of Application and Acceptance for 1983-84 First-Year Class

School participates in AMCAS. See Chapter 4.

Filing of AMCAS application
  Earliest date: June 15, 1982
  Latest date: Dec. 1, 1982
School application fee to all applicants: $35
Acceptance notice to regular applicants
  Earliest date: Nov. 15, 1982
  Latest date: Sept. 1, 1983

Does not have Early Decision Plan
Applicant's response to acceptance offer
  Maximum time: 2 weeks
Deposit to hold place in class: none
Estimated number of new entrants: 220
Starting date: Sept. 6, 1983

Expenses per Year for 1981-82 First-Year Class

Tuition
  Resident: $4,300
  Nonresident: $6,300
Student fees: $85

Student must provide microscope
Total average figure for all other expenses: $5,575

Information on 1981-82 First-Year Class

Number of	*In-State*	*Out-of-State*	*Total*
Applicants*	3,012	835	3,847
New Entrants †	213	7	220

*29% were interviewed.
†100% were interviewed and took the MCAT; 91% had baccalaureate degrees.

State University of New York at Stony Brook
Health Sciences Center
School of Medicine

Dr. Marvin Kuschner, Dean
Debra Gillers, Associate Dean and Director of Admissions
Dr. Aldustus E. Jordan, Associate Dean and Financial Aid Officer

Address inquiries to:
Committee on Admissions
State University of New York at Stony Brook
Health Sciences Center
School of Medicine
Stony Brook, New York 11794
(516) 246-2113

General Information. The State University of New York (SUNY) at Stony Brook School of Medicine accepted its first class in 1971. It is part of the SUNY-Stony Brook Health Sciences Center, which includes the Basic Sciences Tower and the new 540-bed University Hospital.

Curriculum. The curriculum of the School of Medicine is designed to provide the opportunity for extensive training in the basic medical sciences and teaching in the clinical disciplines of medicine. The curriculum requires the acquisition and utilization of a variety of technical skills in basic and clinical sciences. The faculty has determined that a successful candidate for the M.D. degree must pass each unit of curriculum and that waiver of units of curriculum are offered only to those who because of prior experience are able to place out through examination. Attendance and demonstrated competence in patient contact exercises and in animal laboratories are required. The grading system is honors/pass/fail.

Clinical arts and skills are taught in the first year of the curriculum, which also includes a thorough introduction to the basic sciences and Introduction to Community Medicine. Following the introductory year, the students are given an integrated presentation of pathophysiology organized by systems with selected clinical exposure.

On completion of the systems program, students move to a series of clinical clerkships in medicine, surgery, pediatrics, obstetrics and gynecology, psychiatry and family medicine, where opportunities for problem-solving and patient responsibility are presented. Clinical teaching in the Introduction to Clinical Medicine course, in the systems program, and in the clinical clerkships takes place at the University Hospital and various clinical facilities affiliated with the School of Medicine. The clerkship program is followed by selectives and electives in the fourth year.

In addition, there is a four-year program leading to the M.D. with Special Distinction in Research and a six- to seven-year M.D.-Ph.D. program.

Entrance Requirements/Selection Factors. In anticipation that both the spring and fall administrations of the MCAT will be offered in the state of New York and that official test scores will be forwarded to New York schools, candidates for admission to the 1983 entering class are required to take the MCAT no later than fall 1982 and have official scores sent to Stony Brook. Because of the rigorous competition, candidates are advised to submit applications early in the application period, which runs from July 1 until December 15. SUNY-Stony Brook conducts its own application processing. Prospective applicants should be aware that those who successfully applied to SUNY-Stony Brook in the past represent an exceptional, able, and diverse group. The school hopes to attract a small group of informed applicants, thus permitting a greater percentage to receive the kind of individualized attention that all applicants merit but often do not receive.

SUNY-Stony Brook requires that admitted students have completed one year each of biology, physics, inorganic chemistry, and organic chemistry (all with laboratory). This minimum of preparation should be completed prior to filing the application. Few applicants who will not have completed a baccalaureate degree are successful. Beyond these minima, the Committee on Admissions makes a careful examination of the candidate's preparation and promise for creative work in medicine, regardless of the area of concentration prior to medical school. Grades, MCAT scores, letters of evaluation, and extracurricular and work experiences are carefully examined. Motivational and personal characteristics as indicated in the application, letters of evaluation, and a personal interview are also a major part of the admissions assessment. There is no discrimination in the admissions review and selection process on the basis of sex, race, religion, national origin, age, marital status, or handicap.

Students learn from each other as well as from their teachers, their textbooks, and their patients; therefore, the school attempts to acquire a student body representative of a variety of backgrounds, experience, and academic interests. Stony Brook hopes to attract a significant representation of groups that have historically been underrepresented in medicine. Applicants from foreign schools must have completed at least one year in an American college or university. Residents of New York constitute the majority of the applicants and entrants.

Required supporting documentation includes official transcripts of all college work and a letter of official evaluation from the applicant's premedical adviser (or, when no adviser exists at the applicant's college, from two instructors, one of whom must be from a science field). No other letters are solicited; however, if there are other individuals who also may be in a position to provide important information, the school would be happy to receive letters from them. Personal interviews will be arranged at the initiative of the school for candidates who appear to be serious contenders for admission.

Financial Aid. Stony Brook participates in all financial aid programs available at the medical schools of the SUNY system. Financial aid and counseling are available through the Office of Admissions, as is assistance in securing housing and employment and in meeting other personal needs. On-campus housing is available. Students are advised to have transportation available because there is no public transportation to the outlying clinical facilities.

Information for Minorities. SUNY-Stony Brook has included in its student body a high percentage of Afro-Americans and mainland Puerto Ricans. Applications are invited from members of groups that have been historically underrepresented in medicine, and the school makes a detailed review of these applications.

Timetable of Application and Acceptance for 1983-84 First-Year Class

Filing of application
  Earliest date: July 1, 1982
  Latest date: Dec. 15, 1982
School application fee to all applicants: $35
Acceptance notice to regular applicants
  Earliest date: Oct. 1982
  Latest date: May 1983
Does not have Early Decision Plan
Applicant's response to acceptance offer
  Maximum time: 15 days
Deposit to hold place in class: none
Estimated number of new entrants: 100
Starting date: Sept. 1983

Expenses per Year for 1981-82 First-Year Class

Tuition
  Resident: $4,300
  Nonresident: $6,300
Student fees: $25; $84 health insurance fee is optional
School provides microscope without charge
Total average figure for all other expenses: $6,475

Information on 1981-82 First-Year Class

Number of	*In-State*	*Out-of-State*	*Total*
Applicants*	‡	‡	2,671
New Entrants †	72	4	76

*23% were interviewed.
†100% were interviewed, took the MCAT, and had baccalaureate degrees.
‡Data not available.

State University of New York
Upstate Medical Center
College of Medicine

Dr. George Reed, Dean
A. Geno Andreatta, Dean of Admissions and Student Affairs
Ronald M. Wolk, Assistant Dean of Admissions and Student Affairs

Address inquiries to:
Admissions Committee
State University of New York
Upstate Medical Center
College of Medicine
155 Elizabeth Blackwell Street
Syracuse, New York 13210
(315) 473-4570

General Information. The College of Medicine was founded in 1834 as the Medical Department of Geneva College and transferred to Syracuse University in 1872. It affiliated with the State University of New York (SUNY) system in 1950.

Curriculum. The curriculum is designed to be completed in four years but can be completed in less than four years by students who wish to accelerate their program by careful selection of available electives, judicious academic use of their summers, and/or granted advanced placement.

The basic sciences are taught primarily during the first and second years, although clinical correlations are offered regularly during both years. Introduction to Clinical Medicine (physical diagnosis) is offered in the second year. Faculty advisers are assigned in the first year. The faculty adviser can arrange for a clinical experience when requested by a student. The clinical years permit students the option of several tracks of clerkships and electives upon completion of the second year. Students select an individualized curriculum which includes 50 weeks of clerkships and 26 weeks (or 26 credits) of electives (over two years). Faculty advisers and an Elective (Review) Committee provide advice for each student to meet educational objectives and career goals. Some of the electives are available to students irrespective of their academic year standing. This is especially true of students granted advanced placement.

A combined M.D.-Ph.D. degree program is available to a limited number of properly qualified students. A modified pass/fail grading system is used. However, students may earn an HP (honors) for excellence or may receive a C (conditional) grade if their work does not meet departmental requirements by the time the course is concluded. Remedial tutorials are offered by many departments whenever there is a need.

The clinical campus at SUNY-Binghamton, an extension of the Upstate Medical Center at Syracuse, offers a clinical education program for the third and fourth years of medical school. This opportunity can be afforded to only 40 students. A lottery will be held to determine who will attend if either more than 40 students or fewer than 40 students indicate a preference for attending the clinical campus.

Requirements for Entrance. Admissions preference is given to New York state residents. However, some out-of-state applicants are admitted each year. Applications are accepted from U.S. citizens and from permanent residents who have completed at least three years of college study in the United States. Few students are accepted without the baccalaureate degree. Preference is also given to those applicants who have completed the courses required for admission at the time of application. Reapplicants are discouraged unless their qualifications have been significantly improved.

If the MCAT is given in New York state and scores are officially reported to New York schools, it will be required; if the MCAT is not given in New York state and scores are not officially reported to New York schools, it will not be required:

The following courses are required:

	Sem. hrs.
Chemistry	12-16
Inorganic (with lab)	(6-8)
Organic (with lab)	(6-8)
Biology or zoology (with lab)	6-8
Physics (with lab)	6-8
English	6

Choice of major should be determined by the student's chief interests. Achieving excellence in the basic sciences is essential; however, academic work in the humanities and social sciences is equally important, as are meaningful experiences in relating to people.

Selection Factors. The Admissions Committee endeavors to take into consideration as much information as possible that delineates an applicant's total qualifications for the study and practice of medicine, without regard to race, creed, religion, national origin, age, sex, marital status, or degree of physical handicap.

Major factors in selection of applicants include: review of college records, which include scholastic aptitude and science aptitude; MCAT scores (see Requirements for Entrance); letters of recommendation from premedical advisory committees; communication skills; character; motivation; and an evaluation of the personal interview.

Accepted students in the 1981 entering class had the following credentials: *mean undergraduate GPA*, 3.54; *residence*, 98 percent New York state residents; *sex*, 41 females; *undergraduate major*, 16.5 percent in non-natural or physical sciences.

Financial Aid. Accepted applicants are eligible to apply for financial aid to the Office of Admissions and Student Affairs. Financial need is determined by the ACT needs analysis system (see Chapter 6). The Financial Aids Committee generally makes awards in July. The major portion of financial aid for each student is in loans. Scholarships are not readily available except for those state residents who qualify for the Tuition Assistance Program Awards.

Information for Minorities. The Upstate-Minority Educational Development Program (U-MED) was established to provide increased educational opportunities for the study of medicine for those academically qualified students who may have been disadvantaged because of their socioeconomic status. This program reflects the Upstate Medical Center's commitment to increase the enrollment, retention, and graduation of minority physicians who are disproportionately represented in the population.

A summer program offers the student the opportunity to make the necessary academic, cultural, and personal adjustments under ideal circumstances.

Timetable of Application and Acceptance for 1983-84 First-Year Class

School participates in AMCAS. See Chapter 4.

Filing of AMCAS application
  Earliest date: June 15, 1982
  Latest date: Dec. 15, 1982
School application fee to all applicants: $35
Acceptance notice to regular applicants
  Earliest date: varies
  Latest date: May 1, 1983 (varies)
Does not have Early Decision Plan
Applicant's response to acceptance offer
  Maximum time: 14 days
Deposit to hold place in class (applied to tuition): $100, due within 14 days of offer
Deposit refundable prior to: June 15, 1983
Estimated number of new entrants: 150
Starting date: Aug. 28, 1983

Expenses per Year for 1981-82 First-Year Class

Tuition
  Resident: $4,300
  Nonresident: $6,300
Student fees: $82
Microscope rental available from school: $75
Total average figure for all other expenses: $5,300

Information on 1981-82 First-Year Class

Number of	*In-State*	*Out-of-State*	*Total*
Applicants*	3,010	705	3,715
New Entrants †	143	2	145

*20% were interviewed.
†100% were interviewed, took the MCAT, and had baccalaureate degrees.

The Bowman Gray School of Medicine of Wake Forest University

Dr. Richard Janeway, Dean
Dr. John H. Felts, Associate Dean for Admissions
William M. Richardson, Financial Aid Officer

Address inquiries to:
Office of Medical School Admissions
The Bowman Gray School of Medicine
of Wake Forest University
300 South Hawthorne Road
Winston-Salem, North Carolina 27103
(919) 748-4264

General Information. The School of Medicine, established at Wake Forest, North Carolina, in 1902, operated as a two-year medical school until 1941 when it was moved to Winston-Salem and expanded to a four-year medical college. At that time it was renamed the Bowman Gray School of Medicine in recognition of the benefactor who made the expansion possible. The first doctor of medicine degrees were conferred by the school in 1943.

The main teaching hospital of the medical school is North Carolina Baptist Hospitals, Inc. (657 beds). Affiliated institutions include the 795-bed Forsyth Memorial Hospital, the Kate Bitting Reynolds Health Center, and the Northwest Area Health Education Center (AHEC).

Curriculum. During the first semester of the first year, morphology, including gross anatomy and histology, and biochemistry are taught in unit courses. Factors contributing to the doctor-patient relationship are stressed in behavioral sciences. Microbiology, physiology, and some aspects of community medicine are also presented during the first year. Offered in the second and third years are introduction to medicine; an integrated course in physiology, pharmacology, and pathology; introduction to history-taking and physical diagnosis; and clinical clerkships. The fourth year consists of 11 four-week rotations: two are in community medicine; three are in basic clinical fields—medicine, surgery, pediatrics, or obstetrics/gynecology; and the remainder are elective. Performance is evaluated on a zero to four scale.

Requirements for Entrance. The MCAT is required. The minimum requirement for admission is 90 semester hours of college work, although most candidates would benefit from a well rounded four-year college curriculum. Required courses should be completed by the time of application. Generally, prerequisites are:

	Sem. hrs.
General biology	8
General or inorganic chemistry	8
Organic chemistry	8
General physics	8

Biochemistry, zoology, English, and social and behavioral sciences are recommended.

Selection Factors. Candidates are selected on the basis of the quality of their academic records, the MCAT scores, comments of instructors, impressions gained at the time of personal interviews, and general qualifications. Sixty-five of the 108 places are reserved for residents of North Carolina. There are no restrictions because of race, creed, sex, religion, age, physical handicap, marital status, or national origin. Only those applicants who have completed their premedical training in an approved institution in the United States or Canada will be considered for admission. Early application is urged because of the large volume of applications.

The Committee on Admissions will evaluate each application. Applicants whose performance suggests they would have difficulty in handling the curriculum are notified. All other applicants are sent a Supplemental Application Packet, which requires a $30 processing fee, and are asked to furnish letters of evaluation from their premedical advisory committees or from individuals. Only applicants who have completed files are considered for interviews. Candidates are invited for local interviews at the discretion of the Committee on Admissions. No regional interviews are conducted.

Students in the 1981 entering class represented 13 states and attended 45 colleges and universities. Some characteristics of the class were: *sex*, 30 women; *overall acceptance rate*, 46 percent of all interviewed applicants, with 215 acceptances offered to fill the class of 108.

Financial Aid. Financial aid is awarded to students on the basis of need and academic standing. All students duly enrolled and in good standing are eligible for loans. Special state and institutional funds are available for scholarships and loans to residents of North Carolina. An applicant's financial status does not affect acceptance. Eighty-two percent of the student body receive financial assistance. Spouses usually have little difficulty in securing suitable employment. Students are discouraged from seeking part-time employment.

Information for Minorities. The Office of Minority Affairs actively recruits minority students and has developed summer enrichment, academic reinforcement, tutorial, and counseling services for enrolled students. Address inquiries to the Office of Minority Affairs.

Timetable of Application and Acceptance for 1983-84 First-Year Class

School participates in AMCAS. See Chapter 4.

Filing of AMCAS application
  Earliest date: June 15, 1982
  Latest date: Nov. 1, 1982
School application fee after screening: $30
Acceptance notice to regular applicants
  Earliest date: Oct. 15, 1982
  Latest date: Sept. 1, 1983
Does not have Early Decision Plan

Applicant's response to acceptance offer
  Maximum time: 2 weeks
Deposit to hold place in class (applied to tuition): $100, due with response
Deposit refundable prior to: June 15, 1983
Estimated number of new entrants: 108
Starting date: Aug. 11, 1983

Expenses per Year for 1981-82 First-Year Class

Tuition: $6,500
Microscope rental available from school: included in tuition

Total average figure for all other expenses: $5,000

Information on 1981-82 First-Year Class

Number of	*In-State*	*Out-of-State*	*Total*
Applicants*	579	4,286	4,865
New Entrants †	67	41	108

*10% were interviewed.

†100% were interviewed and took the MCAT; 99% had baccalaureate degrees.

Duke University School of Medicine

Dr. Ewald W. Busse, Dean
Dr. Suydam Osterhout, Associate Dean for Admissions
Nell Andrews, Financial Aid Coordinator

Address inquiries to:
Committee on Admissions
Duke University
School of Medicine
Duke University Medical Center
P.O. Box 3710
Durham, North Carolina 27710
(919) 684-2985

General Information. The Duke University Medical Center is located on the campus of Duke University in Durham, North Carolina. A hospital was opened for patients in July 1930, and the first medical students were admitted in October of that year. The first doctor of medicine degrees were conferred in June 1932; through June 1981 there have been over 3,857 graduates. Duke Hospital (1,000 beds) is supplemented by the Durham Veterans Administration Hospital (489 beds) for clinical teaching. Apartments for medical students are available one block from Duke Hospital.

Curriculum. The rapid expansion of medical knowledge coupled with the widening range of student interests and talents has led to a major revision of the curriculum to provide the needed flexibility. First-year students receive instruction in the basic science principles of modern medicine. The second year is an introduction to the clinical sciences. Under the guidance of two faculty members, students design the third and fourth years from preclinical and clinical electives that best provide them with the opportunity to develop their own interests and talents in depth.

For holders of the Ph.D. in basic medical sciences, automatic advanced placement is offered for the third basic science elective year. It is possible to petition the Promotions Committee for advanced placement.

Because of the increasing need for academicians in medicine, the Medical Scientist Training Program has been designed to provide both the M.D. and Ph.D. degree over a six- to seven-year period of study. The first two years are spent in the new curriculum followed by a three- to four-year period of graduate study. Upon completion of the Ph.D. degree, the last year is spent in the clinical sciences.

Other combined degree programs include law (M.D.-J.D.), medical history (M.D.-M.A. and M.D.-Ph.D.), computer science (M.D.-Ph.D.), public policy sciences (M.D.-M.A.), public health (M.D.-M.P.H.), and health administration (M.D.-M.H.A.).

Requirements for Entrance. The MCAT and three years of college are required. A minimum of 90 semester hours of approved college credit is also required. Work must include:

	Years
Biology and/or zoology	1
Inorganic chemistry	1
Organic chemistry	1
General physics	1
Calculus	1
English	1

Embryology and physical chemistry are strongly recommended but not required.

Premedical students should be aware of the importance of a well rounded general education as a preparation for the study of medicine and not limit themselves to scientific courses. The Committee on Admissions places more importance on the way applicants handle their undergraduate work than on the subject matter taken.

Selection Factors. The selection of students is based upon the quality rather than the quantity of preparation and upon demonstrated evidence of personal attributes of intelligence, character, and general fitness for the study and practice of medicine. In considering an applicant, many sources of information may be consulted: curricular and extracurricular college record; fitness as reflected by carefully prepared, confidential appraisals by teachers who know the individual well; MCAT scores; and the applicant's showing in the interview which is held with members of the Committee on Admissions or one of its regional representatives. Extracurricular activities are of particular concern in evaluating the official college transcript.

Accepted students for the 1981 entering class had high GPAs. However, other factors are considered as mentioned above. Provision is made for 30 out of 114 places for residents of North Carolina. There were 37 women in the 1981 entering class. The

Committee on Admissions does not discriminate on the basis of race, sex, creed, age, handicap, or national origin.

Financial Aid. Limited scholarship and loan assistance is available to medical students. These are awarded in varying amounts on the basis of financial need. Approximately 65 percent of the student body receive financial aid. Combined scholarships and loans will meet needs to permit a total, moderate living budget.

Medical Scientist Training Program candidates will receive full tuition and stipend.

Students' spouses can find employment at Duke Hospital and the School of Medicine if they are qualified.

Information for Minorities. The Committee on Admissions, including minority faculty and students, screens all applicants.

Timetable of Application and Acceptance for 1983-84 First-Year Class

Request for application
  Latest date: Oct. 8, 1982
Filing of application
  Earliest date: June 1, 1982
  Latest date: Nov. 1, 1982
School application fee to all applicants: $45
Acceptance notice to regular applicants
  Earliest date: Oct. 15, 1982
  Latest date: April 1983
Does not have Early Decision Plan

Applicant's response to acceptance offer
  Maximum time: 3 weeks
Deposit to hold place in class (applied to tuition): $50, due 3 weeks after offer
Deposit refundable prior to: June 15, 1983
Estimated number of new entrants: 114
Starting date: Aug. 19, 1983

Expenses per Year for 1981-82 First-Year Class

Tuition: $6,960
Student fees: $287

Microscope rental available from school: $150
Total average figure for all other expenses: $6,158

Information on 1981-82 First-Year Class

Number of	*In-State*	*Out-of-State*	*Total*
Applicants*	181	3,711	3,892
New Entrants †	30	84	114

*44.6% were interviewed.

†100% were interviewed and took the MCAT; 99% had baccalaureate degrees.

East Carolina University School of Medicine

Dr. Willian E. Laupus, Dean
Dr. Dean H. Hayek, Associate Dean, Admissions and Student Affairs
Robert Boudreaux, Director, Financial Aid

Address inquiries to:
Associate Dean, Admissions and Student Affairs
East Carolina University
School of Medicine
Greenville, North Carolina 27834
(919) 757-2272

General Information. In 1972 East Carolina University enrolled students in a First-Year Program in Medical Education. The Board of Governors of the University of North Carolina system and the General Assembly of North Carolina authorized East Carolina University to expand the First-Year Program and establish a degree-granting School of Medicine. The School of Medicine enrolled the first class of students in August 1977.

The school's educational facilities are located on the 100-acre Health Science Center campus. Preclinical instruction is offered in the nine-story Brody Medical Science Building, which is contiguous to the Pitt County Memorial Hospital. Comprehensive clinical instruction is offered in the hospital, which expanded in 1981 to 566 beds. Other clinical settings are either adjacent to or near the Health Science Center campus: the Child Development Evaluation Clinic, Mental Health Center, Public Health Center, Alcoholic Rehabilitation Center, Rehabilitation Center, Area Health Education Center, and the Intensive/Intermediate Care Neonatal Unit. Other outpatient and clinical facilities affiliations in North Carolina are planned.

Curriculum. The first year of the four-year curriculum is devoted to the study of the anatomy and functions of the body through courses in gross and microscopic anatomy, embryology, biochemistry, physiology, microbiology, and neurosciences. Correlative clinical lectures in these as well as courses in psychosocial basis of medical practice and primary care conference relate the clinical aspects of medicine to the basic science presentations in this year. Introductory biostatistics is also offered.

The second-year curriculum is directed toward clinical medicine. Courses include pharmacology, pathology and clinical pathophysiology, laboratory diagnosis, genetics, and biochemistry laboratory. Also included in the second-year curriculum are courses in psychiatry, reproduction and growth, physical diagnosis, primary care conference, obstetrics and gynecology, and pediatrics.

The third year is composed of six required basic clerkships: 12 weeks in internal medicine and eight weeks each in family medicine, obstetrics and gynecology, pediatrics, psychiatry, and surgery.

The fourth year is composed of 36 weeks of clerkships and both clinical and basic science electives. Students select an individualized curriculum after consulting with faculty advisers.

Student performance is evaluated by letter grade, and promotion to the next year's class is recommended to the dean by the Promotions Committee of the respective year.

Requirements for Entrance. The MCAT and a minimum equivalent of three undergraduate years of preparation are required. Strong preference is given applicants who will have received a baccalaureate degree prior to enrollment.

Minimum course work requirements are:

	Years
General biology or zoology (with lab)	1
Inorganic chemistry (with lab)	1
Organic chemistry (with lab)	1
Physics (with lab)	1
English	1

Additional courses in the humanities and social sciences and a second year of English are recommended.

Selection Factors. Factors considered in the selection process encompass the social, personal, and intellectual development of each applicant. All available application data are evaluated: MCAT scores, academic performance, comments contained in letters of reference/recommendation, and the results of two personal interviews, only at the medical school campus, with two members of the Admissions Committee.

The School of Medicine seeks competent students of diverse personalities and backgrounds, and all applicants are evaluated without regard to race, religion, sex, age, national origin, or handicap. First preference will be given to qualified residents of North Carolina.

Characteristics of the 1981 entering class of 52 students were: *mean GPA*, 3.3; *sex*, 13 women; *residence*, all from North Carolina; *education*, minimum of a baccalaureate degree; *minorities*, 7 minority students; *MCAT scores, mean and range*, *B*-8.5 (4-13), *C*-8.4 (4-14), *P*-8.0 (4-14), *SP*-8.3 (4-14), *SA:R*-8.7 (5-12), *SA:Q*-8.6 (4-14).

Financial Aid. Limited resources are available for loans and scholarships. The school's Financial Aid Committee and the university's Financial Aid Office will make every effort to provide information and financial aid to those students who demonstrate need for financial assistance in order to meet the costs of their educational and living obligations. Awards are based on need as determined by confidential information supplied by the student.

Part-time employment is not permitted during the first two years and may be undertaken during the last two years only by permission of the dean.

Information for Minorities. Those members of minority groups, in particular those holding residence in North Carolina, are encouraged to apply. Minority representation on the Admissions Committee is significant, and the Center for Student Opportunities offers a wide range of services to students desiring assistance or guidance.

Timetable of Application and Acceptance for 1983-84 First-Year Class

School participates in AMCAS. See Chapter 4.

Filing of AMCAS application
  Earliest date: June 15, 1982
  Latest date: Dec. 1, 1982
School application fee to all applicants: $10
Acceptance notice to regular applicants
  Earliest date: Nov. 15, 1982
  Latest date: class matriculation date
Does have Early Decision Plan (EDP)
  For North Carolina residents only
  EDP application period: June 15-Aug. 1, 1982
  Applicants notified by: Oct. 1, 1982
Applicant's response to acceptance offer
  Maximum time: 3 weeks
Deposit to hold place in class (applied to tuition): $100, due 3 weeks after offer
Deposit refundable prior to: June 15, 1983
Estimated number of new entrants: 64
Starting date: Aug. 16, 1983

Expenses per Year for 1981-82 First-Year Class

Tuition
  Resident: $972
  Nonresident: $2,790
Student fees: $294
Microscope rental available from school: $37.50
Total average figure for all other expenses: $5,200

Information on 1981-82 First-Year Class

Number of	*In-State*	*Out-of-State*	*Total*
Applicants*	623	510	1,133
New Entrants †	52	0	52

*43% were interviewed.

†100% were interviewed, took the MCAT, and had baccalaureate degrees.

The University of North Carolina at Chapel Hill School of Medicine

Dr. Stuart Bondurant, Dean
Dr. William E. Bakewell, Jr., Associate Dean
and Chairman, Committee on Admissions
Connie M. McManus, Registrar

Address inquiries to:
Committee on Admissions
121 MacNider Hall 202-H
The University of North Carolina at Chapel Hill
School of Medicine
Chapel Hill, North Carolina 27514
(919) 962-8331

General Information. The School of Medicine, located on the campus of the University of North Carolina (UNC) at Chapel Hill, was established in 1879 and expanded to a four-year school in 1952. Schools of dentistry, nursing, pharmacy, and public health are adjacent to the medical school on the university campus. Physical facilities include modern classrooms, multidisciplinary student laboratories, and a health sciences library of over 163,000 volumes. The North Carolina Memorial Hospital, the Biological Sciences Research Center, and the Cancer Research Center are major on-campus teaching resources. Area health education centers throughout the state provide clinical experience in community settings.

Curriculum. The curriculum emphasizes the application of science to the solution of clinical problems. Course committees composed of basic and clinical science faculty are responsible for the courses of the first two years. Required clinical clerkships make up the third year. An additional year consisting of electives and two clinical rotations in community primary care settings is required. Some electives may be intercalated in the first three years to permit graduation in less than four years. Students may design individualized laboratory projects under faculty direction. Combined degree programs leading to M.D.-Ph.D. or M.D.-M.S. in basic medical sciences or M.D.-M.P.H. in public health disciplines are available to medical students. A single grade of honors, pass, or fail for each year is awarded by the Promotions Committee based on final examinations and the quality of the student's overall performance.

Requirements for Entrance. A minimum of 96 semester hours of accredited college work and the MCAT are required.

Students are encouraged to pursue their own scholarly interests in depth during the undergraduate years, but course work must demonstrate proficiency in the natural sciences. Advanced courses in biology, chemistry, and mathematics are recommended. Studies in the humanities and social sciences are valued. Facility in oral and written communication is essential.

Specific course recommendations are:

	Sem. hrs.
Biology including vertebrate zoology (with labs)	8
Inorganic and organic chemistry including courses in qualitative and quantitative analysis (with labs)	16
General physics (with labs)	8
English	6

Selection Factors. The Committee on Admissions evaluates the qualifications of all applicants to select those with the greatest potential for accomplishment in one of the many careers open to medical graduates. Preference is given to North Carolina residents. Among nonresident applicants, only those presenting truly superior credentials are competitive. The University of North Carolina does not discriminate on the basis of age, sex, race, national origin, religion, or handicap. Non-U.S. citizens holding permanent immigrant visas may be considered.

The AMCAS application is used for initial screening. Qualified North Carolina applicants and selected nonresidents are sent a supplementary application and are interviewed in Chapel Hill. In making its final selections from the group of qualified in-state applicants, the committee considers evidence of each candidate's motivation, maturity, leadership, and integrity and a variety of other personal qualifications and accomplishments in addition to the scholastic record. All information available about each applicant is considered without assigning priority to any single factor. No special admission tracks or quotas are applied among in-state applicants. The undergraduate major is not an important consideration, but excellence in the chosen field is expected. Previously rejected applicants are considered without prejudice.

The University of North Carolina School of Medicine has an Early Decision Plan, and highly qualified resident and nonresident applicants are encouraged to consider early decision application.

Financial Aid. Scholarships and low interest, long-term loans are available to students with financial need, determined through an evaluation by the Student Aid Committee of the total resources available to the student. Awards are based on information obtained from confidential applications submitted by the students. Twenty-two percent of the student body receive financial aid from funds controlled by the university, and an additional 54 percent receive aid from nonuniversity sources. Financial need will not adversely affect a student's chances of admission, and no student once admitted should have to leave for personal financial need. Part-time employment is not encouraged. A few scholarships are awarded for academic achievement and promise. Three Morehead Fellowships, not based on need, are awarded yearly to entering students.

To provide increased medical education opportunities for financially disadvantaged students who are residents of North Carolina, the UNC School of Medicine, in conjunction with the other medical schools in North Carolina, nominates appropriately qualified students for the North Carolina Board of Governors' Medical Scholarship Program. This four-year scholarship program was established in the spring of 1974 by the North Carolina General Assembly. Selected students receive full tuition, required fees, and an annual stipend.

Information for Minorities. Minority students, especially North Carolina residents, are encouraged to apply. Minority representatives, both students and faculty, serve on the Committee on Admissions. An elective summer Medical Education Development Program is conducted for disadvantaged students who have already been admitted to the UNC School of Medicine as well as to those who may be future applicants.

Timetable of Application and Acceptance for 1983-84 First-Year Class

School participates in AMCAS. See Chapter 4.

Filing of AMCAS application
  Earliest date: June 15, 1982
  Latest date: Nov. 15, 1982
School application fee after screening: $10
Acceptance notice to regular applicants
  Earliest date: Oct. 15, 1982
  Latest date: class matriculation date
Does have Early Decision Plan (EDP)
  EDP application period: June 15-Aug. 1, 1982
  Applicants notified by: Oct. 1, 1982
Applicant's response to acceptance offer
  Maximum time: 3 weeks
Deposit to hold place in class (applied to tuition):
  $100, due with response
Deposit refundable prior to: June 15, 1983
Estimated number of new entrants: 160
Starting date: Aug. 15, 1983

Expenses per Year for 1981-82 First-Year Class

Tuition
  Resident: $972
  Nonresident: $2,790
Student fees: $271.50
Microscope rental available from school: $50
Total average figure for all other expenses:
  $3,183

Information on 1981-82 First-Year Class

Number of	*In-State*	*Out-of-State*	*Total*
Applicants*	722	1,291	2,013
New Entrants †	139	21	160

*35% were interviewed.

†100% were interviewed and took the MCAT; 99% had baccalaureate degrees.

University of North Dakota School of Medicine

Dr. Tom M. Johnson, Dean
Dr. Nancy E. Furstenberg, Associate Dean for Students and Admissions

Address inquiries to:
Secretary, Committee on Admissions
University of North Dakota
School of Medicine
Grand Forks, North Dakota 58202
(701) 777-4221

General Information. The School of Medicine was established in 1905 as a basic science school offering the first two years of medical education. In 1973 legislative action created an expanded curriculum with the third year at the University of Minnesota or Mayo medical schools and the fourth year of elective clerkships in community education centers in the state of North Dakota. In 1981 the legislature approved a full four-year medical school program within the state of North Dakota. The School of Medicine is university-based but utilizes community physicians, clinics, and hospitals for the last two years of clinical experiences.

Curriculum. The School of Medicine emphasizes the training of primary care physicians. The freshman and sophomore years are spent at the University of North Dakota (UND) in Grand Forks. The junior year of clinical clerkships is in the hospitals and clinics of either Bismarck or Fargo. The senior-year elective experiences are available in Bismarck, Fargo, Grand Forks, Minot, and 27 other communities in North Dakota.

The School of Medicine also offers accredited undergraduate degrees in the allied health fields of physical therapy, medical technology, and cytotechnology. Graduate degrees in anatomy, biochemistry, microbiology, pathology, physiology, and pharmacology are also offered. Information on these programs may be obtained from the UND undergraduate and graduate catalogs.

Requirements for Entrance. The MCAT and the equivalent of three academic years, or a minimum of 90 semester hours, in an approved college of arts and sciences are required for admission. Preference is given to applicants who will have completed four years of college prior to enrollment.

Course work must include the following:

	Sem. hrs.
General biology	8
Credit in zoology is acceptable.	
Genetics	3
Inorganic and qualitative chemistry	8
Organic chemistry	8
Quantitative analysis	4
General physics	8
College algebra	3
Psychology/Sociology	3
English composition and literature	6

Selection Factors. A student should have maintained a GPA of 3.0 or better (A = 4.0) to be considered for admission. Selection is based upon the scholastic record, letters of recommendation, MCAT scores, and a personal interview.

In addition to high academic achievement, selection is based on a number of factors, including the demonstration of such qualities as motivation and commitment to a medical career, empathy and compassion in interpersonal relationships, and maturity and flexibility in dealing with problems.

Qualified North Dakota residents are given preference. Almost all of the accepted students in recent classes have been residents of North Dakota. Because of the large number of resident applicants, students from other states and foreign countries are discouraged from applying. Women are considered on the same basis as men.

Financial Aid. Several cash prizes, ranging from $25 to $100, are awarded annually to outstanding students. A few $100 to $500 scholarships are awarded each year. Recipients are chosen almost exclusively on the basis of need.

The medical school has several loan funds from which students may borrow up to $500. The medical center loan fund provides up to $2,500 a year for North Dakota students in their third and fourth years.

Information for Minorities. The Indians into Medicine (INMED) program is a minority recuitment program primarily for the American Indian.

Timetable of Application and Acceptance for 1983-84 First-Year Class

Filing of application
  Earliest date: July 1, 1982
  Latest date: Nov. 1, 1982
School application fee to all applicants: $15
Acceptance notice to regular applicants
  Earliest date: Dec. 15, 1982
  Latest date: May 1, 1983
Does not have Early Decision Plan

Applicant's response to acceptance offer
  Maximum time: 1 month
Deposit to hold place in class (applied to tuition): $75, due with response
Deposit refundable prior to: June 15, 1983
Estimated number of new entrants: 50
Starting date: Aug. 1, 1983

Expenses per Year for 1981-82 First-Year Class

Tuition
  Resident: $1,450
  Nonresident: $2,462
Student fees: $134

Microscope rental available from school: $25
Total average figure for all other expenses: $6,400

Information on 1981-82 First-Year Class

Number of	*In-State*	*Out-of-State*	*Total*
Applicants*	145	24	169
New Entrants †	64	4‡	68

*69% were interviewed.
†100% were interviewed and took the MCAT; 99% had baccalaureate degrees.
‡Accepted through the Indians into Medicine (INMED) program.

Case Western Reserve University School of Medicine

Dr. Richard E. Behrman, Dean
Dr. Daniel L. Horrigan, Associate Dean for Student Affairs
Marion G. Elliott, Financial Aid Officer

Address inquiries to:
Committee on Admission
Case Western Reserve University
School of Medicine
2119 Abington Road
Cleveland, Ohio 44106
(216) 368-3450

General Information. Case Western Reserve University is an independent, privately supported institution. The School of Medicine, which was started in 1843, is located on the university campus about five miles east of the center of Cleveland and in close proximity to all other components of the university. Clinical facilities available to the school are ample. Since 1950 the School of Medicine has been engaged in an intensive study of educational methods and programs.

Curriculum. Major emphasis has been placed on creating an environment that encourages the student to take initiative and responsibility in self-education. Continuous revisions of the educational program are made on the basis of experience and new goals. Current methods include integrated presentation of biomedical science, flexibility in scheduling, pass/fail grading, and contact with patients and clinical instructors beginning early in the first year.

The school has no present plans to shorten the four-year course of study and does not give special priority to candidates holding advanced degrees. All of the basic science departments offer Ph.D. programs; Ph.D.-M.D. combinations are available.

Requirements for Entrance. The MCAT and a minimum of three college years are required. Only a few veterans of military service, older applicants, and clearly outstanding scholars are accepted with less than four years. The Committee on Admission places emphasis on the quality of course work rather than the field in which it is done and wants students who have maturity and high standards of performance.

Specific course requirements have been kept to a minimum to permit maximum flexibility in selection of able students. Specific course requirements are:

	Years
Biology or zoology	1
General or inorganic chemistry	1
Organic chemistry	1
Physics	1
English	1

Mathematics through calculus is recommended.

Because of the great importance of chemistry, mathematics, and physics as foundations of modern biological and medical sciences, the committee gives special attention to competence in these areas. Applicants are advised to pursue these subjects beyond the stated minimums, especially if they have not done excellent work in the required courses. The committee recommends that all candidates take only those science courses that are acceptable for students majoring in the department that offers them. Applicants are urged not to spend their limited college time on subjects like histology and bacteriology, which are adequately covered in medical school. Since verbal skills are of major significance in both scientific and clinical aspects of medicine, the committee attaches considerable importance to evidence about the candidate's ability to use language effectively in organization and communication of his knowledge. Performance in English courses and the manner in which the application is completed are among the criteria used in this appraisal.

Selection Factors. The Committee on Admission selects qualified students without discriminating on the basis of sex, race, religion, national origin, age, or handicap. In 1981 individuals of underrepresented minority groups comprised 11 percent of the total enrollment of the school. It is expected that 60 percent of the class entering in 1982 will be legal residents of Ohio. Because there are many different roles for physicians, the school deliberately seeks a heterogeneous student body and does not depend simply on grade averages and MCAT scores.

The requesting of interviews may be initiated by applicants after they are notified that their application is complete, including all supporting documents. Interviews are scheduled at the discretion of the Committee on Admission. Further information regarding the application and admission process for the school may be requested by writing the Office of Student Affairs.

Financial Aid. All financial aid is based on the demonstrated need of the student. All applicants for aid from the school must submit data for an analysis of need by GAPSFAS. This requires a full disclosure of resources available to the student from individual and family sources. (See Chapter 6 for details.) Long-term loans are a major part of the aid program, and nonrefundable grants are used only to keep within reasonable limits the indebtedness that a needy student must assume. Since the opportunity for productive investment in the study of medicine is almost unlimited, the school is anxious that students avoid allotting an unnecessary amount of time and energy to outside employment during the school terms. It should be emphasized that funds administered directly by the School of Medicine for financial aid are limited and do not meet total student needs. Therefore, all students must make full use of other sources of support that are available to them, such as parents, an employed spouse, savings, summer employment, and bank loans.

Information for Minorities. Case Western Reserve University School of Medicine maintains a minority program for recruitment and retention of minority students.

Timetable of Application and Acceptance for 1983-84 First-Year Class

School participates in AMCAS. See Chapter 4.

Filing of AMCAS application
  Earliest date: June 15, 1982
  Latest date: Nov. 15, 1982
School application fee after screening: $30
Acceptance notice to regular applicants
  Earliest date: Oct. 15-Dec. 15, 1982
  Latest date: May 15, 1983

Does have Early Decision Plan (EDP)
  For Ohio residents only
  EDP application period: June 15-Aug. 1, 1982
  Applicants notified by: Oct. 1, 1982
Applicant's response to acceptance offer
  Maximum time: 1 month
Deposit to hold place in class: none
Estimated number of new entrants: 138
Starting date: Aug. 29, 1983 (approx.)

Expenses per Year for 1981-82 First-Year Class

Tuition: $7,100
Student fees: $481

Student must provide microscope
Total average figure for all other expenses: $6,800

Information on 1981-82 First-Year Class

Number of	*In-State*	*Out-of-State*	*Total*
Applicants*	1,089	5,689	6,778
New Entrants †	83	55	138

*12% were interviewed.

†100% were interviewed and took the MCAT; 99% had baccalaureate degrees.

University of Cincinnati College of Medicine

Dr. Robert S. Daniels, Dean
Dr. Norma E. Wagoner, Associate Dean, Admissions, Student Affairs, and Financial Aid and Chairperson, Admissions Committee
Clarice P. Fooks, Assistant Dean, Admissions

Address inquiries to:
Chairperson, Admissions Committee
University of Cincinnati
College of Medicine
231 Bethesda Avenue
Cincinnati, Ohio 45267
(513) 872-5493

General Information. Founded in 1819, the University of Cincinnati College of Medicine is the oldest medical college west of the Alleghenies. The College of Medicine, housed in the Medical Sciences Building completed in 1974, is located in the center of the University of Cincinnati Medical Center (UCMC). The UCMC includes the pharmacy and nursing colleges, two research institutes, and a university hospital which provides over 766 beds. In close proximity are six associated teaching hospitals with an additional 2,900 patient beds. The College of Medicine faculty is dedicated to providing quality teaching, research, and patient care.

Curriculum. The present curriculum reflects changes which are the product of a major curriculum review initiated in 1978 and completed in 1980. During the first two years of the curriculum, students receive training in basic medical sciences. As an outcome of the review, a clinical continuum containing interviewing, history-taking, and a field experience with a preceptor now begins in the first year and continues in the second year with physical diagnosis and clinical lectures which include preventive medicine topics. These lectures are correlated closely with Year II basic science courses, and together they provide a pathophysiological framework which prepares students for their third-year clinical clerkships. In the summer between the first and second year there is an opportunity to do research or to take a clinical elective in family medicine.

Third-year clerkships include eight-week rotations each in medicine, pediatrics, and surgery; six-week rotations each in psychiatry and obstetrics/gynecology; and four-week rotations each in primary care and two selectives. The fourth-year requirements are an eight-week junior internship in internal medicine or pediatrics and 24 weeks of electives which must include a four-week internal medicine elective and a four-week Area Health Education Center (AHEC) elective. Portions of this elective time may be taken at other U.S. medical centers or abroad.

Within the last two years the College of Medicine has implemented a new program with the regional AHEC which offers clinical experiences in underserved rural and urban communities surrounding Cincinnati. The curriculum is designed to provide students with eight weeks of clinical experience at AHEC sites during their four-year matriculation.

The college offers an M.D./Ph.D. degree program.

Evaluation of students is by an honors/pass/fail grading system in all major courses. Excerpts from the narrative comments obtained from clerkships and electives are incorporated into the dean's letter. Students are required to take Parts I and II of the NBME examinations.

A prematriculation program is offered to educationally disadvantaged students. Learning resources support services are available to all students throughout their four-year program.

Requirements for Entrance. The MCAT and a minimum of three years at an accredited college are required. Preferential consideration will be given to college seniors; however, each year a few students with exceptional records are admitted after three years. Candidates are discouraged who are in the process of completing more than one of the required courses at the time of application. The prerequisites are:

	Years
General biology (with lab)	1
General or inorganic chemistry (with lab)	1
Organic chemistry (with lab)	1
General physics (with lab)	1
English	1

Additional courses in biology and adequate preparation in mathematics are recommended. Also, in view of the rapidly broadening scope of medicine, the applicant is urged to include additional training in English and such general cultural fields as history, psychology, sociology, logic, or philosophy. Candidates may concentrate in any field.

Selection Factors. Selection for admission is based on a total assessment of each applicant's motivation, interests, character, demonstrated intellectual ability, previous academic record, MCAT scores, personal attributes, and life experiences that exemplify these qualities. Students are admitted on the basis of individual qualifications, regardless of handicap, age, sex, religion, or race. Preference is given to first-time applicants and to residents of Ohio. Unless there is a marked change in the credentials, the College of Medicine discourages reapplication in the year immediately following initial evaluation.

All students will be asked to complete secondary applications. Academic credentials are evaluated on the basis of course level and load, involvement in cocurricular activities or employment, and other influential factors. Cutoff levels for GPAs or for the MCAT scores are not utilized. However, applicants are reminded of the size of the applicant pool and are advised to be realistic. A selected group of students will be invited to the college for interviews. Since the interviews are an extremely important part of the process, these will be arranged at a mutually convenient time. A tour of the Medical Center with an enrolled medical student will be provided.

Accepted students for the 1981 entering class had the following credentials: *mean GPA*, 3.43; *sex*, 26 percent women; *undergraduate major*, 80 percent in sciences; *minorities*, 11 percent; *Early Decision Plan acceptance*, 26 percent; *overall acceptance rate*, 337 offers of acceptance were made to obtain a class of 192 students. Deferred admission is offered to all those accepted prior to July 1.

Financial Aid. All students who are accepted to the College of Medicine will be mailed financial aid information after the first of the year. Students are advised to apply for assistance prior to May 31. Students are encouraged to be assertive in seeking aid and should be aware that the responsibility for financing a medical education is theirs and their parents.

Information for Minorities. Members of racial minority groups are encouraged to apply. Fees are waived when justification has been forwarded through AMCAS. A supportive program and community efforts provide an enhanced learning atmosphere. As mentioned above, the College of Medicine provides a prematriculation and matriculation program for minorities and other students who in the view of the college would benefit by this program.

Timetable of Application and Acceptance for 1983-84 First-Year Class

School participates in AMCAS. See Chapter 4.

Filing of AMCAS application
  Earliest date: June 15, 1982
  Latest date: Nov. 15, 1982
School application fee to all applicants: $25
Acceptance notice to regular applicants
  Earliest date: Nov. 15, 1982
  Latest date: Sept. 6, 1983

Does have Early Decision Plan (EDP)
  EDP application period: June 15-Aug. 1, 1982
  Applicants notified by: Oct. 1, 1982
Applicant's response to acceptance offer
  Maximum time: 2 weeks
Deposit to hold place in class: none
Estimated number of new entrants: 192
Starting date: Sept. 6, 1983

Expenses per Year for 1981-82 First-Year Class

Tuition
  Resident: $4,518
  Nonresident: $6,711
Student fees: $312

Student must provide microscope; limited rental available only as part of financial aid packet to needy students
Total average figure for all other expenses: $5,376

Information on 1981-82 First-Year Class

Number of	*In-State*	*Out-of-State*	*Total*
Applicants*	1,297	3,227	4,524
New Entrants †	156	36	192

*20% were interviewed.
†100% were interviewed and took the MCAT; 99% had baccalaureate degrees.

Medical College of Ohio at Toledo

Dr. John P. Kemph, Dean
Dr. Sam Schaeffer, Associate Dean for Administration and Admissions
Dr. Barry Richardson, Assistant Dean for Minority Affairs

Address inquiries to:
Admissions Office
Medical College of Ohio at Toledo
C.S. No. 10008
Toledo, Ohio 43699
(419) 381-4229

General Information. The Medical College of Ohio graduated its first students in June 1972. The college's first major building, the Health Sciences Teaching and Laboratory Building, was completed in 1972 and is a part of a medical center complex currently operational on a 350-acre site in Toledo. The Mulford Library was dedicated in the spring of 1975, and the Health Education Building was completed in the fall of 1975. Clinical experience for students is being obtained in four hospitals, each of which also participates in the residency programs of the Medical College of Ohio. The primary teaching hospital is the Medical College of Ohio Hospital, a facility completed in December 1979. A large core group of faculty members has been assembled.

In this medical school setting, the entering student is considered a graduate scholar by faculty members at all levels of seniority. The Medical College of Ohio seeks students who can grow intellectually and personally in this academic atmosphere.

Curriculum. The curriculum of the Medical College of Ohio is composed of a traditional four-year approach to medical education. The first year is devoted to anatomy, biochemistry, physiology, and behavioral sciences. The second year follows with approximately seven months devoted to microbiology, pathology, and pharmacology. Concurrently with the presentation of the basic sciences, at least one afternoon each week is devoted to the introduction to clinical medicine, which incorporates elements of the physical examination and interpersonal communications, and an interdisciplinary introduction to the clerkships. Introduction to medicine, the last two months of the second year, contains basic didactic sessions for each primary clinical discipline, coordinated sessions dealing with selected pathophysiological topics, and a series of clinical laboratory and patient procedure experiences.

The last two years of the curriculum are devoted to mandatory clerkships in internal medicine, surgery, pediatrics, obstetrics and gynecology, psychiatry, and family practice; selective clerkships in pathology, radiology, and anesthesiology/neuroscience; and electives. All students are required to rotate through a clinical Area Health Education Center (AHEC) comprising 10 percent of their total clerkship time.

Requirements for Entrance. The MCAT is required. A baccalaureate degree is recommended.

Students must plan their educational sequence with due appreciation for the biologically oriented, psychologically sensitive task that they are undertaking for their life's work. The minimal premedical course requirements are:

	Years
Biology	1
Inorganic chemistry	1
Organic chemistry	1
Physics	1
College mathematics	1

Additional biology courses are recommended.

A comprehensive command and understanding of the English language are essential.

Beyond these requirements, concentration in humanities, sciences, or other areas is viewed with equal favor. Close attention will be paid to the general scope of the applicant's academic background and to whether or not there is indicated an adequate general understanding of the physical, biological, chemical, and social sciences and some reasonable sensitivity to the humanities.

Selection Factors. In selecting applicants, the Medical College of Ohio looks more for evidence of general competence and capability than for specific areas of study. Students are admitted on the basis of individual qualifications, regardless of sex, religion, race, age, or handicap.

Students in the 1981 entering class had the following credentials: *mean science GPA*, 3.36; *mean total GPA*, 3.39; *sex*, 37 percent women; *undergraduate major*, 92 percent in science.

Interviews are by invitation only. Reapplicants are not penalized. Preference is given to Ohio residents. There are no positions available for transfer students.

Financial Aid. Financial aid is awarded on the basis of demonstrated need. Applicants for financial aid must submit a GAPSFAS form for consideration by the Financial Aid Committee. (See Chapter 6 for details.)

Information for Minorities. Members of racial minority groups are encouraged to apply. For further information, contact the Office of Minority Affairs.

Timetable of Application and Acceptance for 1983-84 First-Year Class

School participates in AMCAS. See Chapter 4.

Filing of AMCAS application
  Earliest date: June 15, 1982
  Latest date: Nov. 1, 1982
School application fee after screening: $20
Acceptance notice to regular applicants
  Earliest date: Nov. 15, 1982
  Latest date: when class is filled

Does have Early Decision Plan (EDP)
  For Ohio residents only
  EDP application period: June 15-Aug. 1, 1982
  Applicants notified by: Oct. 1, 1982
Applicant's response to acceptance offer
  Maximum time: 2 weeks
Deposit to hold place in class: none
Estimated number of new entrants: 150
Starting date: Sept. 1, 1983

Expenses per Year for 1981-82 First-Year Class

Tuition
  Resident: $4,050
  Nonresident: $5,550
Student fees: $120

Microscope rental available from school: $90
Total average figure for all other expenses: $8,500

Information on 1981-82 First-Year Class

Number of	*In-State*	*Out-of-State*	*Total*
Applicants*	1,110	886	1,996
New Entrants †	140	10	150

*33% were interviewed.

†100% were interviewed, took the MCAT, and had baccalaureate degrees.

Northeastern Ohio Universities College of Medicine

Dr. Robert A. Liebelt, Provost and Dean
James R. Boex, Assistant Dean, Admissions and Student Affairs
Bonnie B. Jones, Registrar

Address inquiries to:
Office of Admissions
Northeastern Ohio Universities
College of Medicine
Rootstown, Ohio 44272
(216) 325-2511

General Information. The Northeastern Ohio Universities College of Medicine was created by the Ohio Legislature in November 1973 and was granted accreditation by the Liaison Committee on Medical Education in 1981. A consortium of the University of Akron, Kent State University, and Youngstown State University constitutes the academic base of the College of Medicine. Thirteen associated community hospitals in the northeastern Ohio metropolitan areas of Akron, Canton, and Youngstown provide clinical teaching facilities, supplying in excess of 5,000 teaching beds. The faculty, recruited from the region and around the world, numbers over 900.

Curriculum. The College of Medicine offers both a combined B.S.-M.D. curriculum for high school graduates who have not begun college study and a four-year program leading to the M.D. degree only. Information on admissions to the combined degree program can be obtained from the admissions offices of the consortium universities.

The M.D. degree program of study consists of four academic years. The freshman medical year is devoted to the study of basic medical sciences at the newly constructed basic medical sciences campus at Rootstown. The sophomore medical year is a clinical year conducted at specially constructed Ambulatory Care Teaching Facilities at the associated hospitals; the student is taught mainly the principles of ambulatory care and organ pathophysiology. The junior medical year consists of core clerkships, or rotations, through medicine, pediatrics, surgery, psychiatry, and obstetrics/gynecology. The senior medical year includes selectives and electives in the basic sciences and clinical sciences and a specially designed course in medical humanities.

All students are required to sit for and pass Part I and Part II of the NBME examinations.

Requirements for Entrance. As mentioned above, the College of Medicine has two admission points. Admissions to the combined degree program is for students who have completed high school but have no college course work following high school graduation.

In addition to the combined degree program, students are also admitted directly into the M.D. degree program of the college. M.D. degree program applicants are strongly recommended to have successfully completed courses in the following areas: general chemistry, organic chemistry, biochemistry, general biology, embryology, physiology, microbiology, sociology, psychology, physics, statistics, calculus, and the humanities. Minimal preparation should include two years of biology, organic chemistry, and university-level physics.

All students seeking entry into the M.D. degree program are required to submit official scores from the MCAT.

Selection Factors. The AMCAS application serves as the initial application form. All AMCAS applicants are supplied with supplementary application materials and are encouraged to return them for early processing.

All candidates for admission to the M.D. degree program of the Northeastern Ohio Universities College of Medicine must demonstrate satisfactory academic preparation as measured by undergraduate GPA and MCAT scores. The college also requires the demonstration of appropriate personal characteristics and a sincere motivation for the practice of medicine. Admissions preference is given to students who are residents of Ohio.

Financial Aid. All financial aid is awarded on the basis of demonstrated need. Applicants for aid from the College of Medicine must submit data for an analysis of need by GAPSFAS, which requires a full disclosure of resources available to the student from individual and family resources in order to be eligible for any need-based aid. (See Chapter 6 for details.) Long-term educational loans are a major part of the aid program, and an extremely limited number of nonrefundable grants are employed only to keep within reasonable limits the indebtedness that a needy student must assume. Over 75 percent of the enrolled students receive some form of financial aid. Financial need is not a factor in admissions considerations.

Any questions on financial aid may be directed to the Office of Student Affairs.

Information for Minorities. It is one of the goals of the Admissions Committee to seek out qualified nontraditional applicants (members of racial minorities and disadvantaged rural students) and, through recruitment and support, to help meet the goals of the College of Medicine. Students interested in further information are encouraged to contact the Office of Minority Affairs.

Timetable of Application and Acceptance for 1983-84 First-Year Class

School participates in AMCAS. See Chapter 4.

Filing of AMCAS application
  Earliest date: June 15, 1982
  Latest date: Nov. 15, 1982
School application fee after screening: $20
Acceptance notice to regular applicants
  Earliest date: Oct. 15, 1982
  Latest date: Sept. 1, 1983

Does have Early Decision Plan (EDP)
  EDP application period: June 15-Aug. 1, 1982
  Applicants notified by: Oct. 1, 1982
Applicant's response to acceptance offer
  Maximum time: 2 weeks
Deposit to hold place in class: none
Estimated number of new entrants: 30
Starting date: Sept. 1983

Expenses per Year for 1981-82 First-Year Class

Tuition
  Resident: $3,150
  Nonresident: $6,300
Student fees: $500

Microscope rental available from school. $75 (included in student fees)
Total average figure for all other expenses: $6,500

Information on 1981-82 First-Year Class

Number of	*In-State*	*Out-of-State*	*Total*‡
Applicants*	876	239	1,115
New Entrants †	35	0	35

*10% were interviewed.
†100% were interviewed, took the MCAT, and had baccalaureate degrees.
‡Figures do not include combined degree program students.

The Ohio State University College of Medicine

Dr. Manuel Tzagournis, Dean
Dr. J. H. Williams, Associate Dean
for Student Affairs
Dr. Elson L. Craig, Assistant Dean
for Student Affairs

Address inquiries to:
Admissions Committee
Room 270-A, Medical Administration Center
The Ohio State University
College of Medicine
370 West Ninth Avenue
Columbus, Ohio 43210
(614) 422-7137

General Information. The College of Medicine of the Ohio State University, established in 1914, traces its lineage through a succession of Ohio medical education institutions to a pioneer medical school chartered in 1834, the Medical Department of Willoughby University on Lake Erie.

The Ohio State University main campus is located in the population center of metropolitan Columbus and includes colleges of dentistry, veterinary medicine, law, engineering, pharmacy, optometry, agriculture, education, and arts and sciences as well as the College of Medicine with its schools of nursing and allied medical professions. Up-to-date basic science, outpatient, and inpatient teaching facilities and a library are located on the campus. Hospitals on the campus have a combined total of more than 1,000 beds; affiliated Columbus hospitals provide another 2,000 patient care beds.

Curriculum. During the first year some 80 percent of curricular time is spent learning about normal man. This embodies a coordinated presentation of anatomy, biochemistry, and physiology with interdepartmental cooperation and coordination of presentations and examinations. An introduction to medicine including behavioral sciences, interviewing techniques, and patient exposure through practicing preceptors takes up the other 20 percent of each week.

The second year is introduced with basic concepts of pathology, pharmacology, medical microbiology, and immunology, after which pathophysiology and cardinal manifestations of disease are presented in organ systems sequence. There is heavy clinical input in this portion of the curriculum along with physical diagnosis, which offers additional patient contact.

A unique Independent Study Program (ISP) offers an alternate track through the basic sciences and introductory clinical work described above. This is a carefully guided self-study program which includes one-on-one faculty contact for the most part and utilizes computer-assisted student self-evaluation along the way. This program permits time variable mastery of succeeding modules of material, thus permitting students who can maintain a rapid pace to master the content in time to complete the entire M.D. curriculum in less than four years, if desired. Thus, this program provides a three-year option and provides great flexibility for other academic and research activities appropriate to an individual student's career development.

The clinical clerkship portion of the curriculum is common for both tracks and is composed of five major two-month clerkships, one each in medicine, surgery, pediatrics, psychiatry, and obstetrics and gynecology, followed by 10 months of elective activities. Vacation time is distributed according to rotation sequence.

Dual registration for combined M.D.-Ph.D. degrees, extended medical school research, and additional vacation time can be arranged to meet the needs of the individual student.

Requirements for Entrance. The MCAT and a bachelor's degree or certified eligibility for a degree in absentia are required. No specific undergraduate curriculum or major is required or preferred. A medical school candidate should follow an undergraduate program that is as broad and comprehensive as possible in order to prepare best for a career in a people-oriented profession in a changing society. Candidates are urged to take advantage of the undergraduate opportunity to study history, art, literature, creative writing, philosophy, social sciences, and communications skills.

The minimum course requirements are:

	Years
Biology (including vertebrate zoology)	1
Inorganic chemistry (with lab)	1
Organic chemistry (with lab)	1
General physics (with lab)	1

Waiver of any requirement must be recommended by the Admissions Committee and approved by the dean.

Selection Factors. First consideration is given to applicants who are Ohio residents and whose academic record and MCAT scores predict a high degree of academic accomplishment in medical school.

Successful candidates have had the following general profile of characteristics: *GPA*, 3.5 (90 percent over 3.0); *residence*, over 95 percent from Ohio.

Applications are carefully processed and reviewed by the staff and faculty members of the Admissions Committee to be certain that excellent, although unusual, candidates who do not fit a general profile are not overlooked.

Additional factors that lend significant weight in further consideration are undergraduate academic recommendations and personal information in the application itself. Further consideration by way of interview is by invitation; interviews are held on the campus. Nonacademic accomplishments and evidence of suitability for the study of medicine are carefully considered and account for a significant range in grades, MCAT scores, and other parameters of the admitted class.

Financial Aid. Scholarships and loans are awarded on the basis of need. All accepted candidates are mailed financial aid materials in ample time prior to entering to be considered with students already in school. University scholarships and loans designated for medical students provide funds for many students. Financial need is not a deterrent to acceptance, and no students are lost through inability to find sufficient resources for continuing their education.

Roessler Foundation Student Research Scholarships provide significant stipends for needy students doing part-time and full-time research during their medical school career.

Information for Minorities. Students whose previous educational and economic deprivation warrant special consideration are carefully evaluated and are offered special help in the acquisition of additional resources. Special programs are provided to enhance the educational development as individually evaluated at appropriate check points in the curriculum.

Timetable of Application and Acceptance for 1983-84 First-Year Class

School participates in AMCAS. See Chapter 4.

Filing of AMCAS application
  Earliest date: June 15, 1982
  Latest date: Dec. 1, 1982
School application fee to all applicants: $10
Acceptance notice to regular applicants
  Earliest date: Oct. 15, 1982
  Latest date: when class is filled

Does have Early Decision Plan (EDP)
  EDP application period: June 15-Aug. 1, 1982
  Applicants notified by: Oct. 1, 1982
Applicant's response to acceptance offer
  Maximum time: 2 weeks
Deposit to hold place in class: none
Estimated number of new entrants: 233
Starting date: Sept. 8, 1983

Expenses per Year for 1981-82 First-Year Class

Tuition (per quarter)
  Resident: $1,140
  Nonresident: $2,320

School provides microscope without charge
Total average figure for all other expenses:
  $5,000

Information on 1981-82 First-Year Class

Number of	*In-State*	*Out-of-State*	*Total*
Applicants*	1,298	473	1,771
New Entrants †	233	0	233

*60% were interviewed.

†100% were interviewed and took the MCAT; 99% had baccalaureate degrees.

Wright State University School of Medicine

Dr. William D. Sawyer, Dean
Dr. J. Robert Suriano, Associate Dean for Student Affairs/Admissions
Allen N. Pope, Financial Aid Officer

Address inquiries to:
Office of Student Affairs/Admissions
Wright State University
School of Medicine
P.O. Box 1751
Dayton, Ohio 45401
(513) 873-2934

General Information. Wright State University was first established in 1964 as a campus of the Ohio University System operated conjointly by the Ohio State University and Miami University of Ohio; in 1967 independent status as one of 12 state-assisted universities was conferred. The School of Medicine was established in 1973. The charter class was admitted in September 1976.

Curriculum. The fundamental objective of the educational program of the School of Medicine is to graduate physicians who are oriented toward primary care, sensitive to the needs of their patients, educationally self-reliant, and qualified to enter the postgraduate program of their choice. Participating in the overall program of medical education are faculty members from three universities, four freestanding research institutes, and 20 affiliated health-care institutions, including 14 hospitals and six community health-service agencies.

The first two years of the curriculum emphasize an understanding of the basic medical sciences and begin the development of those skills and attitudes essential to good medical practice. A unique feature of this portion of the curriculum is the availability of two-week selective periods which provide an opportunity for individualization in either basic or clinical sciences. Alternatively, individuals experiencing academic difficulty may utilize these periods for remedial purposes. Exposure to clinical medicine begins in the first year, increases in the second, and culminates in full-time clinical experience in the third year. During the fourth year, the curriculum is totally elective and allows professional refinement and individualization.

A standard letter grading system is utilized (A, B, C, D, F).

Requirements for Entrance. The MCAT and three years (90 semester hours or 135 quarter hours) of collegiate preparation in an approved college or university in the United States or Canada are required. Although no specific undergraduate curriculum or major field of study is desired, preferred, or required, applicants will be expected to present the equivalent of the usual premedical preparation. This usually includes one year each of biology, physics, mathematics, and English and two years of chemistry (including organic chemistry). While a basic understanding of the physical and biological sciences is important to a medical education, a broad appreciation of man and his social, cultural, and artistic efforts is equally necessary. Each applicant's credentials for admission will be individually reviewed and evaluated. The MCAT should ordinarily be taken no later than the spring of the year in which the application is filed. Only those MCAT scores available at the time of review will be considered by the Admissions Committee.

Selection Factors. It is the philosophy of the School of Medicine to seek a student body of diverse social, ethnic, and educational backgrounds. Women, minority students, and representatives of rural Ohio are particularly encouraged to apply. However, applicants are admitted solely on the basis of individual qualifications without regard to race, sex, creed, national origin, age, or handicap. Individual competence, intellectual capacity, and personal maturity in the applicant are of greater importance to the Admissions Committee than specific areas of preprofessional preparation. The Admissions Committee, which is broadly based, also seeks positive evidence of motivation, selflessness, and human empathy in the prospective medical student. The committee carefully reviews the completed application, the academic record, MCAT performance, letters of recommendation, and the results of a personal interview (by invitation only) in making its final selections. Ohio residents are given preference, but a small number of nonresidents are accepted if they show unusual promise of professional contributions to medicine, service to humanity, or other exceptional qualifications.

Upon receipt of the AMCAS application, the applicant will be invited to submit a supplementary application and letters of evaluation. After review of all submitted material, a relatively small number of applicants will be invited for interview.

Financial Aid. Financial aid in the form of scholarships, grants, loans, and various work opportunities is available to assist students in financial need. The Office of Student Affairs/Admissions offers financial counseling services and assists students in obtaining needed support. An emergency loan fund for students in good academic standing is also available through this office. The financial status of applicants has no effect whatever on their acceptance to the School of Medicine.

Information for Minorities. The Wright State University School of Medicine and its faculty have a stated policy of providing educational opportunities to students from minority groups or educationally disadvantaged backgrounds.

Timetable of Application and Acceptance for 1983-84 First-Year Class

School participates in AMCAS. See Chapter 4.

Filing of AMCAS application
  Earliest date: June 15, 1982
  Latest date: Nov. 15, 1982
School application fee to all applicants: $25
Acceptance notice to regular applicants
  Earliest date: Nov. 15, 1982
  Latest date: when class is filled

Does have Early Decision Plan (EDP)
  EDP application period: June 15-Aug. 1, 1982
  Applicants notified by: Oct. 1, 1982
Applicant's response to acceptance offer
  Maximum time: 2 weeks
Deposit to hold place in class: none
Estimated number of new entrants: 100
Starting date: Sept. 8, 1983

Expenses per Year for 1981-82 First-Year Class

Tuition
  Resident: $2,580
  Nonresident: $5,040
Student fees: $285

Microscope rental available from school: $100
Total average figure for all other expenses: $7,885

Information on 1981-82 First-Year Class

Number of	*In-State*	*Out-of-State*	*Total*
Applicants*	980	296	1,276
New Entrants †	97	3	100

*38% were interviewed.

†100% were interviewed, took the MCAT, and had baccalaureate degrees.

University of Oklahoma College of Medicine

Dr. C. B. McCall, Dean
Dr. E. W. Young, Jr., Associate Dean for Predoctoral Education
David Barrett, Director, Financial Aids

Address inquiries to:
Admissions Coordinator
Room 108, BSEB
University of Oklahoma
College of Medicine
P.O. Box 26901
Oklahoma City, Oklahoma 73190
(405) 271-2339

General Information. Initially established as a two-year school on the Norman campus, the Epworth Medical College was merged with the College of Medicine in 1910 and granted its first medical degrees in June 1911.

The College of Medicine is located on the Oklahoma City campus of the University of Oklahoma Health Sciences Center, a consortium of the colleges of dentistry, nursing, pharmacy, and health and allied health professions; the Veterans Administration Hospital; and the Oklahoma Medical Research Foundation.

Students utilize the resources of Oklahoma Memorial Hospital, Childrens Memorial Hospital, Presbyterian Hospital, Veterans Administration Hospital, and the hospital of the Oklahoma Medical Research Foundation on the campus as well as other affiliated hospitals in Oklahoma City, Norman, and Tulsa.

Curriculum. A carefully developed core curriculum provides the general background of the principles common to all aspects of the medical sciences. Elective time is available throughout the four years to allow students to study in depth any of the facets of medicine or to acquire the broad base of skills essential for family practice. Over 200 elective courses are offered. Some students choose to supplement these offerings with study in other institutions throughout the world.

Patient contact begins in the first year, and much of the material presented in the preclinical years is structured on an interdepartmental basis.

Forty students who have completed their first two years on the Oklahoma City campus will complete their clinical training at the Tulsa Branch.

Requirements for Entrance. The College of Medicine may consider for admission applicants who have completed only 90 semester hours of college work; however, the college discourages such applications except from students who have demonstrated personal and intellectual maturity.

The following courses are required.

	Semesters
Vertebrate zoology	1
Embryology, genetics, comparative anatomy, cellular biology, or histology	1
Inorganic chemistry	2
Organic chemistry	2
General physics	2
English	3
Psychology, sociology, or anthropology	2

Must include two semesters of one course or one semester each of two of the above courses.

Additional study of American or English literature is encouraged.

Pass/fail grading is not acceptable for required courses.

The MCAT must have been taken no later than the spring of the year in which the application is filed, except for students who seek entrance at the end of their third year in college; such students may take the MCAT in the fall of the year in which they apply.

No particular major is given preference, but the applicant must provide evidence of capability of understanding and utilizing scientific methods.

Residents of the state of Oklahoma must present a minimum GPA of 3.0 (A = 4.0). Only nonresidents with outstanding academic records should apply. A minimum GPA of 3.5 is required for nonresident applicants. Non-U.S. citizens are not encouraged to apply because state residents are given preference.

Selection Factors. Acceptance to the College of Medicine is based on GPA, MCAT scores, letters of evaluation from faculty, and impressions gained at the personal interview conducted on campus. These factors are not weighted, but all applicants must meet the minimum specified GPA (3.0 for residents, 3.5 for nonresidents); the Admissions Board cannot grant waivers in this regard.

Currently, nonresidents represent about

5 percent of the student body, but the number admitted has been declining.

Some characteristics of the 1981 entering class were: *mean GPA*, 3.62; *sex*, 50 women; *residence*, 8 nonresidents.

The University of Oklahoma College of Medicine does not discriminate on the basis of race, creed, sex, age, or national origin. Applications are encouraged from minority candidates who meet the minimum standards.

Financial Aid. The College of Medicine offers a number of financial assistance opportunities in addition to the federally sponsored programs. The most prominent scholarships are the Regents' Scholarship Fee Waiver for entering minority students and the Oklahoma Rural Medical Education Loan and Scholarship Fund designed for Oklahoma residents wishing to practice in rural communities. The loan funds established by the Shepherd Foundation, Inc., and the Lew Wentz Foundation also aid many students annually. Additional support for minority students is available through the State Regents for Higher Education.

About 60 percent of all students receive some form of financial assistance through existing loan, scholarship, and part-time employment programs. Students are urged to examine their own abilities and priorities in regard to part-time employment during the school year.

Timetable of Application and Acceptance for 1983-84 First-Year Class

School participates in AMCAS. See Chapter 4.

Filing of AMCAS application
  Earliest date: June 15, 1982
  Latest date: Nov. 1, 1982
School application fee after screening: $10 for residents; $15 for nonresidents
Acceptance notice to regular applicants
  Earliest date: varies
  Latest date: April 15, 1983

Does not have Early Decision Plan
Applicant's response to acceptance offer
  Maximum time: 2 weeks
Deposit to hold place in class (applied to tuition): $100, due with response
Deposit refundable prior to: May 1, 1983
Estimated number of new entrants: 176
Starting date: Aug. 22, 1983

Expenses per Year for 1981-82 First-Year Class

Tuition
  Resident: $1,625
  Nonresident: $2,997
Student fees: $129

Student must provide microscope
Total average figure for all other expenses: $6,000

Information on 1981-82 First-Year Class

Number of	*In-State*	*Out-of-State*	*Total*
Applicants*	441	381	822
New Entrants†	168	8	176

*47% were interviewed.

†100% were interviewed and took the MCAT; 98% had baccalaureate degrees.

Oral Roberts University School of Medicine

Dr. Sydney A. Garrett, Dean
Tony Wright, Assistant Director of Admissions
Bill Juby, Director of Financial Aid

Address inquiries to:
Office of Graduate Admissions
Oral Roberts University
School of Medicine
7777 South Lewis Avenue
Tulsa, Oklahoma 74171
(918) 495-6514

General Information. In December 1978, Oral Roberts University School of Medicine (ORUSM) enrolled 20 students in its first-year medical curriculum. The Liaison Committee on Medical Education awarded provisional accreditation effective November 28, 1978. The School of Medicine is located on the 500-acre campus of Oral Roberts University in Tulsa, Oklahoma, and is a private institution governed by a board of regents composed of business and professional persons from across the United States and Canada. Although a Christian institution, Oral Roberts University is not affiliated with any religious denomination. Forty-seven different Christian denominations currently are represented in the faculty and student body. The primary affiliated hospital is St. John Medical Center, and an additional teaching facility, the City of Faith Medical Center, opened in 1981.

Curriculum. The curriculum is designed to develop a holistic view of medicine, not only as it relates to patient care but also as it relates to the life-style of the professional. Thus, in addition to the academic facets of the curriculum, a regular program of physical exercise and regular participation in the religious activities of the campus are required as well. The first two years of the curriculum are devoted to the basic sciences and to an introduction to clinical medicine. During year three, students rotate through five primary clinical disciplines. Year four presents the family medicine rotation plus an additional 24 weeks of electives, selectives, and requirements.

The grading system is based on the traditional five-category letter grade, and students must maintain a weighted average of C for promotion and graduation. All students must take Part I of the NBME examinations before promotion to year three and Part II of the NBME examinations prior to graduation.

Requirements for Entrance. The MCAT is required and preferably should be taken in the spring, but no later than the fall, of the calendar year before expected entrance. A minimum of 90 semester hours (or 135 quarter hours) at a fully accredited institution are required. The baccalaureate degree is highly desirable, and only in exceptional cases will students be accepted after only three years of undergraduate study.

The minimum basic course requirements are:

	Sem./Qtr.
General biology (with lab)	2/3
General or inorganic chemistry (with lab)	2/3
Organic chemistry (with lab)	2/3
Physics (with lab)	2/3
English	2/3
Calculus I	1/1
General psychology	1/1

Genetics is strongly recommended. Statistics, comparative anatomy or vertebrate biology with dissection, physical chemistry, and two upper-division courses in psychology are recommended.

Selection Factors. The highly competitive selection process is open to all applicants regardless of race, sex, creed, handicap, marital status, national or regional origin, age, or status as a veteran. Candidates are evaluated with regard to their academic potential, promise as a physician, and compatibility with the life-style of Oral Roberts University. These factors are assessed through an evaluation of academic records, MCAT scores, letters of recommendation, and personal interviews. No applicant will be offered acceptance without a personal interview held at the campus of the Oral Roberts University School of Medicine.

In 1981 accepted students were selected from among 1,084 applicants who completed admission requirements, of whom 136 were invited for interview by the Admissions Committee. Seventy-four acceptances were offered to obtain a first-year class of 48. Some characteristics of the 1981 entering class were: *average GPA*, 3.6; *residence*, 23 states and 1 foreign country; *sex*, 14.6 percent women.

Financial Aid. The responsibility for financing a medical education rests with the student. The financial aid officer will provide information in an effort to help the students meet their financial needs. While spouses of students are usually able to secure employment, medical students are discouraged from employment during the regular academic sessions.

Information for Minorities. Oral Roberts University School of Medicine seeks qualified applicants from minority groups underrepresented in medicine. A Provisional Medical Student Program is available at the prebaccalaureate level to provide clinical exposure for those students with little or no health-facility contact. Inquiries may be directed to the assistant dean for medical education.

Timetable of Application and Acceptance for 1983-84 First-Year Class

School participates in AMCAS. See Chapter 4.

Filing of AMCAS application
  Earliest date: June 15, 1982
  Latest date: Nov. 1, 1982
School application fee to all applicants: $30
Acceptance notice to regular applicants
  Earliest date: Nov. 15, 1982
  Latest date: varies

Does have Early Decision Plan (EDP)
  EDP application period: June 15-Aug. 1, 1982
  Applicants notified by: Oct. 1, 1982
Applicant's response to acceptance offer
  Maximum time: 1 month
Deposit to hold place in class (applied to tuition): $200, due with response; nonrefundable
Estimated number of new entrants: 64
Starting date: Aug. 1, 1983

Expenses per Year for 1981-82 First-Year Class

Tuition: $7,800
Student fees: $300
Microscope rental available from school: $100
Total average figure for all other expenses: $5,800

Information on 1981-82 First-Year Class

Number of	*In-State*	*Out-of-State*	*Total*
Applicants*	‡	‡	1,084
New Entrants†	4	44	48

*12.5% were interviewed.
†100% were interviewed and took the MCAT; 98% had baccalaureate degrees.
‡Data not available.

Oregon Health Sciences University
School of Medicine

Dr. Ransom Arthur, Dean
Dick B. Speight, Director of Admissions and Registrar
Dr. Robert J. Meechan, Assistant Dean of Admissions

Address inquiries to:
Director of Admissions
Oregon Health Sciences University
School of Medicine
3181 S.W. Sam Jackson Park Road
Portland, Oregon 97201
(503) 225-7800

General Information. The University of Oregon Medical School was established by charter from the Board of Regents of the University of Oregon in 1887. The name was changed in November 1974 when the School of Medicine and the schools of nursing and dentistry reorganized under the University of Oregon Health Sciences Center; in 1981 it was renamed Oregon Health Sciences University. The Health Sciences University occupies a 101-acre site in Sam Jackson Park overlooking the city but within one and a half miles of the business center. Campus physicial facilities include basic science, research, and laboratory buildings, two hospital units with a licensed capacity of 673 beds; an outpatient clinic; Crippled Children's Division; Child Development and Rehabilitation Center; a hearing and speech center; a library and auditorium; and a student activities building. The School of Medicine is affiliated with the 563-bed Veterans Administration Hospital. A residence hall is provided on the campus, and apartment rentals are available in the area.

The School of Medicine provides educational programs for medical students, nurses, graduate students in basic medical sciences, and residents and interns as well as programs for radiologic technologists, medical technologists, and dietitians. An extensive postgraduate program exists.

Curriculum. The first year and the first six weeks of the second year are primarily devoted to core courses in basic medical science, including an introduction to patient evaluation. The remaining portion of the second year consists of two courses, the major one being an interdisciplinary course in pathophysiology divided into nine segments based on specific organ systems. Concomitant with this course, one morning a week is spent in developing the techniques and background knowledge for clinical patient evaluation. The third and fourth years are primarily spent in clinical clerkships and include the equivalent of one and a half quarters of elective courses that may be chosen from both clinical and basic science disciplines.

Requirements for Entrance. The MCAT and three years of college are required. The applicant must have completed satisfactorily 138 quarter hours (92 semester hours) of credit, exclusive of military science, to include the following specific requirements:

	Qtr. hrs.
General biology or zoology	9
Must include course work in basic genetics. A core program may possibly complete this requirement in one sequence.	
Chemistry	24
General or inorganic chemistry (with lab)	(10-16)
Organic chemistry (with lab)	(8-12)
General physics (with lab)	12
Must include division of mechanics, heat and sound, and light and electricity.	
College mathematics	12
General psychology	6

Advanced courses in physiology or embryology are recommended.

Courses in analytical chemistry, instructional analysis, or physical chemistry are recommended for students considering special medical programs with emphasis in the basic sciences.

Calculus is strongly recommended.

Knowledge of a major modern foreign language is highly recommended as part of the cultural training of a physician.

Students entering the medical school without a baccalaureate degree must receive the degree from their undergraudate institution prior to promotion to the third year of medical school.

Selection Factors. In evaluating candidates, attention is given to the entire academic record, the results of the MCAT, college recommendations by the committee or individuals of the college faculty, and personal interview with the Admissions Committee. Under certain circumstances the interview may be waived. Preference is given to residents of Oregon and western states having no medical schools. Each applicant is considered on the basis of qualifications without regard to race, creed, or sex.

For the 1981 entering class a total of 822 applications were received, of which 295 were Oregon residents; 114 placements were awarded to Oregonians, and one placement was awarded to a nonresident from a state participating in WICHE. The mean GPA was 3.56.

Financial Aid. Approximately 40 scholarships of approximately $400 each are available.

Loan funds have been established to help worthy students in need of financial aid. Both short-term and long-term loans are available at reasonable interest rates. Federal loan funds are available providing a maximum loan of $5,000 per year. Applications for financial aid are not distributed until an applicant has received a formal offer of admission.

Timetable of Application and Acceptance for 1983-84 First-Year Class

School participates in AMCAS. See Chapter 4.

Filing of AMCAS application
  Earliest date: June 15, 1982
  Latest date: Nov. 15, 1982
School application fee to all applicants: $25
Acceptance notice to regular applicants
  Earliest date: March 1, 1983

Does not have Early Decision Plan
Applicant's response to acceptance offer
  Maximum time: 2 weeks
Deposit to hold place in class: none
Estimated number of new entrants: 90
Starting date: Sept. 12, 1983

Expenses per Year for 1981-82 First-Year Class

Tuition
  Resident: $3,105
  Nonresident: $6,975
Student fees: $400.50

Microscope rental available from school: $90
Total average figure for all other expenses: $4,515

Information on 1981-82 First-Year Class

Number of	*In-State*	*Out-of-State*	*Total*
Applicants*	295	527‡	822
New Entrants †	114	1§	115

*36% were interviewed.

†100% were interviewed and took the MCAT; 98% had baccalaureate degrees.

‡Of this total, 97 applicants were from states participating in WICHE.

§The out-of-state new entrant was from a state participating in WICHE.

Hahnemann Medical College of the Hahnemann University

Dr. Joseph R. DiPalma, Senior Vice President for Academic Affairs and Dean
Barry M. Horwitz, Assistant Dean for Admissions
Johanna L. Hixson, Director of Student Financial Aid

Address inquiries to:
Medical College Admissions
Hahnemann Medical College
of the Hahnemann University
235 North 15th Street
Philadelphia, Pennsylvania 19102
(215) 448-7600

General Information. The Hahnemann Medical College, founded in 1848, is a private, coeducational, and nondenominational school located in central Philadelphia. The Hospital, Medical College, Graduate School, College of Allied Health Professions, Out-Patient Clinic, Bobst Research Institute, and their supporting facilities occupy two city blocks. A $34-million medical school building was fully occupied in 1974. Hahnemann's newest addition is the 19-floor North Hospital Tower. Completed in 1979, it houses 350 teaching beds in addition to the 200 beds in the renovated areas of the 1928 hospital structure. In addition to Hahnemann's own hospital, more than 3,000 clinical beds are available through affiliations with hospitals in Pennsylvania and New Jersey.

Curriculum. The curriculum has been designed to be flexible and to provide a foundation of medical knowledge which will facilitate the student's pursuit of any area of medicine. The curriculum is subject to change whenever the need for new concepts of instruction arises. There is an honors/pass/fail grading system.

The first two years are devoted to courses in the basic sciences and interdisciplinary courses that include behaviorial science, clinical science, and laboratory medicine. The student develops the knowledge and skills necessary for clinical interaction with patients and receives fundamental training in the application of the basic sciences to clinical medicine.

The third year is devoted to intensive clinical clerkship training in each of the recognized major divisions of medical practice. Emphasis is placed upon problem-solving and clinical application of basic science knowledge.

The remainder of the student's medical school experience is spent in multiple track programs. These programs offer students the opportunity to develop their own interests and careers. One half of each track consists of required academic and clinical clerkships; the balance is devoted to electives. General, specialty, and specifically designed tracks are available.

A joint accelerated program in primary care medicine with Gannon University enables highly qualified Pennsylvania students to earn the B.S. and M.D. degrees in seven years. The Graduate School offers qualified medical students an opportunity for attaining M.S. and Ph.D. degrees in combination with the M.D. degree.

Requirements for Entrance. A minimum of three years (90 semester hours or the equivalent) in an accredited U.S. college or university and the MCAT are required. Strong preference is given to applicants presenting the bachelor's degree; only the unusually well qualified candidate with three years of college is admitted. Students are advised to take the MCAT in the spring of the year of application or no later than the fall of that year.

Specific course requirements are:

	Sem. hrs.
General biology (with 4 hrs. lab)	8
General or inorganic chemistry (with 4 hrs. lab)	8
Organic chemistry	6
General physics (with 2 hrs. lab)	8
English composition and literature	6
Social science	6
Humanities	6

Students receiving advanced placement or CLEP credit for required courses are advised to take additional work in the same department.

Students whose programs permit may wish to consider such courses as mathematics, embryology, mammalian comparative anatomy, physical chemistry, or quantitative analysis.

Selection Factors. Applicants are evaluated on the basis of their academic record, MCAT scores, and character, motivation, and personality as attested by college recommendations, and a personal interview.

The interview is the final step in the selection process and is conducted only upon the request of the Admissions Committee. Preference is given to Pennsylvania residents.

Some characteristics of the students in the 1981 entering class were: *average GPA*, 3.42, *mean MCAT scores*, 9 or better in each subtest; *residence*, 60 percent from Pennsylvania; *sex*, 26 percent women.

Equal opportunity for admission is afforded to all candidates without regard to race, religion, sex, national origin, age, handicap, or the ability to pay for a medical education.

Financial Aid. Financial aid awards are based on need. Need is established by the use of a national, standard financial aid application form through GAPSFAS (see Chapter 6). All needy students must borrow through the Guaranteed Student Loan Program to cover a portion of their need. The federal Health Professions Student Loan Program, the National Direct Student Loan Program, and the Health Education Assistance Loan Program are the primary sources of aid. Over 90 percent of the student body receive some form of aid each year. Applications for financial aid may be obtained from the Office of Student Financial Aid.

Information for Minorities. Applications from members of minority groups are encouraged. Educationally disadvantaged minorities may avail themselves of a program which provides tutoring and counseling. A pre-enrollment summer program is also offered. Interested applicants may obtain details from Alterman Jackson, director, Minority Affairs Office.

Timetable of Application and Acceptance for 1983-84 First-Year Class

School participates in AMCAS. See Chapter 4.

- Filing of AMCAS application
  - Earliest date: June 15, 1982
  - Latest date: Nov. 15, 1982
- School application fee to all applicants: $40
- Acceptance notice to regular applicants
  - Earliest date: Sept. 15, 1982
  - Latest date: second week of Sept. 1983
- Does have Early Decision Plan (EDP)
  - EDP application period: June 15-Aug. 1, 1982
  - Applicants notified by: Oct. 1, 1982
- Applicant's response to acceptance offer
  - Maximum time: 15 days
- Deposit to hold place in class (applied to tuition): $100, due with response
- Deposit refundable prior to: April 1, 1983
- Estimated number of new entrants: 180
- Starting date: Aug. 29, 1983

Expenses per Year for 1981-82 First-Year Class

Tuition: $11,200
Student fees: $360
Microscope rental available from school: $125
Total average figure for all other expenses: $6,360

Information on 1981-82 First-Year Class

Number of	*In-State*	*Out-of-State*	*Total*
Applicants*	1,514	3,447	4,961
New Entrants †	108	72	180

*18.4% were interviewed.

†100% were interviewed and took the MCAT; 90.6% had baccalaureate degrees.

Jefferson Medical College of Thomas Jefferson University

Dr. Frank D. Gray, Jr., Interim Dean
Dr. Samuel S. Conly, Jr., Associate Dean and Director of Admissions
Arthur R. Owens, Registrar and Coordinator, Financial Aid

Address inquiries to:
Associate Dean and Director of Admissions
Jefferson Medical College
of Thomas Jefferson University
1025 Walnut Street
Philadelphia, Pennsylvania 19107
(215) 928-6983

General Information. Jefferson Medical College was established in 1824. It is privately controlled, nondenominational, and coeducational. On July 1, 1969, Thomas Jefferson University was established with the Jefferson Medical College as one of its colleges. Clinical instruction is carried out at Thomas Jefferson University Hospital and 17 affiliated federal and community hospitals.

Curriculum. The goals of the curriculum are (*a*) to provide students with an identical core curriculum which contains the sine qua non for all physicians, (*b*) to provide students with advanced curriculum opportunities to prepare them in depth in one of the areas of basic or clinical medical sciences, (*c*) to develop future physicians who will have a humanistic as well as a scientific approach toward the care and treatment of people with medical problems, (*d*) to have students understand the tentative nature of scientific conclusions, (*e*) to encourage students to assume responsibility for their own education and to diminish their dependence on the teacher as a sole source of information, (*f*) to encourage students to think critically and independently within the framework of social responsibility, (*g*) to encourage students to develop a logical approach to the analysis and management of clinical problems.

To achieve these goals, all core (basic and clinical) instruction is completed by the end of the third year. In the fourth year, the student selects one of five tracks: family medicine, growth and development, internal medicine, neurosciences and human behavior, and surgery. Grading is done on a numerical basis.

A joint accelerated program in medicine with the Pennsylvania State University enables selected, highly qualified students to earn both the B.S. and M.D. degrees in five calendar years immediately after graduating from high school. A Jefferson-Delaware Medical Education Program is available to residents of Delaware. The Physician Shortage Area Program serves to recruit and educate selected students who intend to enter family medicine and practice in physician shortage areas, especially in rural communities and inner cities of Pennsylvania. This program includes the Jefferson-Indiana University of Pennsylvania Cooperative Family Medicine Physician Education Program. A combined M.D.-Ph.D. degree program is available.

Requirements for Entrance. A minimum of three years (90 semester hours or equivalent) in an accredited U.S. college or university and the MCAT are required. Strong preference is given to applicants presenting a bachelor's degree, and only the unusually well qualified three-year candidate is admitted. The undergraduate program must include:

	Credits
General biology (with lab)	8
Inorganic chemistry (with lab)	8
Organic chemistry (with lab)	8
General physics (with lab)	8

AMCAS applications are reviewed only when Jefferson's application fee is paid or waived. Students are advised to take the MCAT in the spring of the year of application and no later than the fall. These recommendations are made to eliminate the possibility of delay in processing an application. All academic requirements must be completed prior to the date of matriculation.

Selection Factors. All students at Jefferson Medical College are afforded the same rights, privileges, and opportunities. The college does not discriminate on the basis of race, national and ethnic origin, religion, sex, handicap, or age in administration of its educational policies, admissions policies, scholarship and loan programs, and athletic and other school-administered programs. The selection of students is made after careful consideration of many factors: undergraduate college attended, academic record, recommendations from the undergraduate college, MCAT scores, and the opinion of the Committee on Admissions regarding the applicant's personal qualities, motivation, fitness to pursue the study of medicine, and promise for the future.

Although a private institution, Jefferson Medical College receives considerable state financial support and, therefore, gives preference to Pennsylvania residents; approximately 70 percent of the 223 first-year places are assigned to Pennsylvanians. Up to 40 places each year are reserved for students accepted into the Jefferson-Pennsylvania State five-year accelerated program. Up to 20 places are provided for Delaware residents under the Jefferson-Delaware special program. Pennsylvania residents with GPAs less than 3.3 are not in a strong competitive position; higher academic credentials are required of nonresidents and of three-year applicants.

Students for the 1981 entering class were selected from 4,754 applicants; 917 interviews were conducted on campus by invitation of the Committee on Admissions. Matriculants presented the following credentials: *mean science GPA*, 3.53; *mean nonscience GPA*, 3.58; *sex*, 21 percent women; *residence*, 70 percent Pennsylvania residents; *undergraduate major*, 58 percent in biology or chemistry, with the others from a variety of fields, including engineering, mathematics, natural science, premedicine, and psychology.

Applications from qualified members of racial minority groups and those from economically, educationally, and socially disadvantaged backgrounds are encouraged.

Financial Aid. Financial aid awards are based on need, which is determined by a confidential analysis of information provided by the student and the student's family to a need analysis service, GAPS-FAS (see Chapter 6). Where need is established, the student is directed to obtain a federally guaranteed loan. If need exists beyond this program, Jefferson will try to meet this need from loan and grant funds. Applications for financial aid are available after February 15 from the Office of the Registrar. Completed applications for the next academic year must be submitted before April 1.

Timetable of Application and Acceptance for 1983-84 First-Year Class

School participates in AMCAS. See Chapter 4.

Filing of AMCAS application
  Earliest date: June 15, 1982
  Latest date: Nov. 15, 1982
School application fee to all applicants: $40
Acceptance notice to regular applicants
  Earliest date: Oct. 15, 1982
  Latest date: June 1, 1983
Does have Early Decision Plan (EDP)
  EDP application period: June 15-Aug. 1, 1982
  Applicants notified by: Oct. 1, 1982
Applicant's response to acceptance offer
  Maximum time: 3 weeks
Deposit to hold place in class (applied to tuition): $100, due with response
Deposit refundable prior to: May 1, 1983
Estimated number of new entrants: 223
Starting date: Sept. 7, 1983

Expenses per Year for 1981-82 First-Year Class

Tuition: $9,700
Student fees: $8
Student must provide microscope
Total average figure for all other expenses: $5,850

Information on 1981-82 First-Year Class

Number of	*In-State*	*Out-of-State*	*Total*
Applicants*	1,591	3,163	4,754
New Entrants †	156	67	223

*24% were interviewed.

†100% were interviewed and took the MCAT; 91% had baccalaureate degrees (20 students were enrolled in the joint five-year accelerated program with Pennsylvania State University for high school graduates).

The Medical College of Pennsylvania

Dr. Alton I. Sutnick, Senior Vice President for Health Affairs and Dean
Dr. Mary Ellen Hartman, Senior Associate Dean for Student Affairs
Dr. Andrew B. Beasley, Associate Dean for Student Affairs (Admissions)

Address inquiries to:
Associate Dean for Admissions
The Medical College of Pennsylvania
3300 Henry Avenue
Philadelphia, Pennsylvania 19129
(215) 842-7010

General Information. The Woman's Medical College of Pennsylvania was founded in 1850 by a group of male physicians to afford women an opportunity to study medicine. In 1970 men were first admitted to the institution, and shortly thereafter the name was changed. The medical school and hospital are situated on a 29-acre campus five miles from the center of Philadelphia. The Hospital of the Medical College of Pennsylvania has over 400 beds. Additional opportunities in clinical teachings are afforded by affiliation with several other hospitals.

Curriculum. The curriculum is designed to provide a thorough knowledge of the basic sciences with attention to the correlation of such material with the clinical sciences. This is provided by means of curricular and elective programs in the first and second years. The basic clinical clerkships are given in the third year and provide a basic exposure to each major clinical discipline. The fourth year is elective, and the content of that year is arranged by students and their advisers in such a way as to be consistent with the ultimate career goals of the student. The curriculum is monitored by both faculty and students, and appropriate modifications are made to achieve the overall educational objective.

Requirements for Entrance. The MCAT and a minimum of 90 semester hours from an accredited college are required. The baccalaureate degree is highly desirable.

To expedite the processing of applications, the MCAT and the required course work should be completed prior to the time of application.

The required courses are:

	Semesters
Biology (with lab)	2
Inorganic chemistry (with lab)	2
Organic chemistry (with lab)	2
General physics (wtih lab)	2
College mathematics	2
English	2

Selection Factors. The Medical College of Pennsylvania is a state-assisted school, and it is estimated that 75 percent of the 100 students admitted to the 1983 entering class will be Pennsylvania residents. In accord with the historical commitment of this institution, applications from women are particularly encouraged.

Of the 4,126 applicants for the 1981 entering class, over 500 were called for interview at the college prior to a final decision of the Admissions Committee. Matriculated students in the 1981 entering class had an average GPA of 3.47 and MCAT scores at or above the 75th percentile level.

The Medical College complies with federal and state laws prohibiting discrimination.

Financial Aid. In addition to the Guaranteed Student Loan Program, the Health Professions Student Loan Program, other federally funded aid programs, and assistance in obtaining money from foundation sources, the Financial Aid Office has at its disposal private grant and loan funds. A College Work-Study Program for qualified students is also available. All money allocated by the school is awarded on the basis of financial need. Information and applications are available from the Financial Aid Office.

Information for Minorities. Applications are actively solicited from students of minority and disadvantaged backgrounds.

Timetable of Application and Acceptance for 1983-84 First-Year Class

School participates in AMCAS. See Chapter 4.

- Filing of AMCAS application
  - Earliest date: June 15, 1982
  - Latest date: Dec. 1, 1982
- School application fee to all applicants: $40
- Acceptance notice to regular applicants
  - Earliest date: Sept. 1, 1982
  - Latest date: May 15, 1983
- Does have Early Decision Plan (EDP)
  - EDP application period: June 15-Aug. 1, 1982
  - Applicants notified by: Oct. 1, 1982
- Applicant's response to acceptance offer
  - Maximum time: 2 weeks
- Deposit to hold place in class (applied to tuition):
  - $100, due prior to March 1, 1983
- Deposit refundable prior to: June 15, 1983
- Estimated number of new entrants: 100
- Starting date: Sept. 6, 1983

Expenses per Year for 1981-82 First-Year Class

- Tuition: $9,950
- Student fees: $265
- Microscope rental available from school: $140
- Total average figure for all other expenses: $7,110

Information on 1981-82 First-Year Class

Number of	*In-State*	*Out-of-State*	*Total*
Applicants*	1,541	2,585	4,126
New Entrants †	74	26	100

*14% were interviewed.

†100% were interviewed and took the MCAT; 88% had baccalaureate degrees and 12% were from the special accelerated B.A.-M.D. program.

The Pennsylvania State University College of Medicine

Dr. Harry Prystowsky, Provost and Dean
Dr. Cheston M. Berlin, Assistant Dean for Student Affairs
Dr. Julien F. Biebuyck, Chairman, Medical Selection Committee

Address inquiries to:
Office of Student Affairs
The Pennsylvania State University
College of Medicine
500 University Drive
Hershey, Pennsylvania 17033
(717) 534-8755

General Information. The Pennsylvania State University College of Medicine was founded in 1964 under an affiliation agreement with the M. S. Hershey Foundation, which made a $50-million gift for the establishment of the Milton S. Hershey Medical Center as the site of a medical school and teaching hospital. Additional construction grants were received from the U.S. Public Health Service, and the College of Medicine enrolled its first class in September 1967.

The campus contains a medical sciences building, including a cancer research wing and a 350-bed hospital built as a continuous unit, and 248 student-house staff apartments. The Animal Resource Facility consists of central animal quarters in the medical sciences building and an Animal Research Farm connected by an underground tunnel; both are used for teaching and comparative research in the biologic sciences, including behavior. The George T. Harrell Library has 88,000 volumes and receives over 1,700 periodicals.

Curriculum. Instruction in the first year is organized around the basic science core curriculum with an integrated approach to the teaching of organ systems and correlations between scientific principles and patient material. There is an honors/pass/fail grading system.

The first-year courses include microscopic anatomy, biological chemistry, gross anatomy, family and community medicine, molecular and human genetics, physiology, neurobiology, physical diagnosis, behavioral science, and radiobiology. Elective course time is provided for humanities. The second year consists of an interdisciplinary organ system approach to clinical science and pathology integrated with microbiology, pharmacology, and physical diagnosis. Required also in the second year are longitudinal courses in behavioral science and psychiatry with particular emphasis on preventive medicine and organized systems of health care delivery. Time is also provided for electives.

The third year consists of required clinical clerkship experiences distributed among medicine, obstetrics and gynecology, surgery, pediatrics, and psychiatry. The fourth year contains both selective and elective periods, with students selecting basic science or clinical science electives consonant with their educational and career plans. A one-month primary care medicine elective is required prior to graduation. A final requirement is the completion of an original clinical or basic science study before graduation (problem-solving project). The medical school curriculum is constantly under review by faculty and students, and continual revisions of the educational program are made on the basis of experience.

Requirements for Entrance. The MCAT and three years of college are required for admission. The baccalaureate degree is highly desirable.

The following subjects are considered by the Medical Selection Committee to be required: biology, physics, and inorganic and organic chemistry. Other recommended courses are: mathematics (calculus), behavioral science, and genetics. Physical chemistry is important. It is important that students be exposed to a broad background in the humanities and social sciences. Studies that develop verbal competence and enlarge perspectives and capacities for critical, historical, and moral judgments are especially encouraged.

Students are urged to take the MCAT in the spring of the year they expect to apply. Taking the MCAT in the fall will delay consideration of the application. Basic science courses are also best completed before applying.

Selection Factors. Applicants must evidence superior undergraduate achievement and outstanding personal characteristics. Each application is considered individually; a decision is reached after thorough evaluation of the applicant's academic record, letters of assessment, MCAT scores, and personal interview. Since the practice of medicine requires a lifelong devotion to self-education, emphasis is placed on the excellence of the individual scholar no matter what the student's previous area of study. An important consideration is the student's understanding of the relationship between the sciences and liberal arts.

Applicants are considered without regard to sex, race, religion, or national origin. Preference is given to Pennsylvania residents.

Some characteristics of accepted students in the 1981 entering class were: *average GPA*, 3.6; *sex*, 35 percent women; *overall acceptance rate*, 468 students were interviewed, 214 acceptances were offered to obtain a class of 98 students.

Financial Aid. All financial aid is granted to students on the basis of need as determined by GAPSFAS. (See Chapter 6 for details.) A student is considered for all funds available through the College of Medicine including federal as well as institutional funds when a GAPSFAS application is filed. Approximately 80 percent of the student body receive financial assistance from some source; 40 percent receive funds from school sources. Students' financial needs are reviewed annually, and awards for each year reflect the financial situation of students and their families for that year. Awards are usually distributed throughout the entire year (fall, winter, spring, and summer terms). All funds disbursed by the school, including College Work-Study Program funds, are described in detail in the school catalog. Specific inquiries should be addressed to Gaye W. Sheffler, Office of Student Affairs.

Information for Minorities. Applications from minority group students are encouraged. Faculty members, with student support, are active in the recruitment of minority students.

Timetable of Application and Acceptance for 1983-84 First-Year Class

Filing of application
  Earliest date: July 1, 1982
  Latest date: Dec. 1, 1982
School application fee to all applicants: $35
Acceptance notice to regular applicants
  Earliest date: Oct. 15, 1982
  Latest date: when class is filled
Does not have Early Decision Plan
Applicant's response to acceptance offer
  Maximum time: 2 weeks
Deposit to hold place in class (applied to tuition): $100, due March 1, 1983
Deposit refundable prior to: March 1, 1983
Estimated number of new entrants: 99
Starting date: Sept. 2, 1983

Expenses per Year for 1981-82 First-Year Class

Tuition
  Resident: $5,829
  Nonresident: $9,105
Student fees: $115
Student must provide microscope
Total average figure for all other expenses: $7,350

Information on 1981-82 First-Year Class

Number of	*In-State*	*Out-of-State*	*Total*
Applicants*	1,098	574	1,672
New Entrants †	84	14	98

*28% were interviewed.

†100% were interviewed and took the MCAT; 98% had baccalaureate degrees.

University of Pennsylvania School of Medicine

Dr. Edward J. Stemmler, Dean
Dr. Fred D. Burg, Associate Dean for Academic Programs
Kathryn M. Gantz, Director of Admissions

Address inquiries to:
Director of Admissions
D-100 1st Floor, Medical Education Building
University of Pennsylvania
School of Medicine (GM)
Philadelphia, Pennsylvania 19104
(215) 243-8001

General Information. The School of Medicine, the first in the United States, was founded in 1765. It is a private, coeducational, and nondenominational school located on the campus of the university in west Philadelphia.

More than 3,000 clinical beds are available for teaching in one university-controlled and six formally affiliated hospitals. Of this total, more than 2,000 beds are in hospitals immediately adjacent to the School of Medicine. Other hospitals are used in teaching selected specialties.

Curriculum. The curriculum is designed to prepare students for a variety of careers in medicine. It stresses understanding concepts, emphasizes techniques of problem-solving, and facilitates independent study. The curriculum is under continuing review and is subject to change. Currently the required basic science courses are taught in ten months during the first year. Basic science electives may be taken during the remaining years. Clinical teaching, including bedside teaching, is introduced at the beginning of the first year. Approximately half of the curriculum is elective. Combined degree programs are available in the traditional biomedical sciences as well as in other areas, such as engineering and business administration. An honors/pass/fail system is used for grading.

Requirements for Entrance. Applicants should plan to complete a course of study leading to a baccalaureate degree in an accredited college or university in the United States. The MCAT is required and preferably should be taken in the spring, but no later than the fall, of the calendar year before expected entrance.

It is suggested that all courses required for medical school be completed by the fall semester of the senior year.

The following courses are required:

	Years
General biology (with lab)	1
Inorganic chemistry (with lab)	1
Organic chemistry (with lab)	1
General physics (with lab)	1

All courses offered to satisfy the requirements for admission must be either taken at or accepted as transfer credit by an accredited or approved college or university in the United States and must be acceptable to that institution toward a baccalaureate degree in general arts or sciences. Courses in professional schools that do not meet the above criteria may not be considered as satisfying any of the specific requirements for admission into the School of Medicine. Credits obtained through advanced placement in subjects required for admission must be supplemented by other courses taken at the college level in the same fields.

Selection Factors. In evaluating candidates, the Committee on Admissions reviews the academic record, recommendations from college premedical evaluation committees, scores on the MCAT, the quality and commitment to extracurricular activities, and the strength of personal qualifications. Interviews are required for admission but arranged only by invitation of the Committee on Admissions. Applicants from all sections of the country are invited to apply, although some preference is given to Pennsylvania residents.

Since medicine is increasingly dependent on science, it is important for prospective students to emphasize the quality of their science training. Effective medicine is also dependent on a knowledge of the humanities and other cultural disciplines. Students, therefore, are also encouraged to develop a broad background in nonscience subjects. Of the students in each entering class, about 75 percent had majored in biology, chemistry, physics, or mathematics, with the remaining 25 percent in a variety of other disciplines.

The University of Pennsylvania complies with state and federal laws prohibiting discrimination.

Financial Aid. Limited scholarship and loan assistance is available for students who qualify on the basis of need and who are citizens or permanent residents of the United States. The school uses the services of GAPSFAS. (See Chapter 6 for details.) On the basis of the GAPSFAS application, the student is considered for funds available through the School of Medicine. Students also are expected to apply for any outside financial assistance (such as state scholarship programs) for which they may be eligible. Approximately 60 percent of the student body receive financial assistance of some sort. The ability of students to pay for their medical education does not affect the decision on their application for admission. Students' financial needs are reviewed annually, and awards for each year reflect the financial situation of students and their families for that year.

Information for Minorities. Minority students are encouraged to apply. Specific information can be obtained by writing to Dr. Helen O. Dickens, associate dean for minority affairs, or Iona Harper, assistant director for minority affairs.

Timetable of Application and Acceptance for 1983-84 First-Year Class

School participates in AMCAS. See Chapter 4.

Filing of AMCAS application
  Earliest date: June 15, 1982
  Latest date: Nov. 1, 1982
School application fee to all applicants: $50
Acceptance notice to regular applicants
  Earliest date: Dec. 1, 1982
  Latest date: varies
Does not have Early Decision Plan
Applicant's response to acceptance offer
  Maximum time: 2 weeks
Deposit to hold place in class: $100, due with response
Deposit refundable prior to: June 15, 1983
Estimated number of new entrants: 160
Starting date: Aug. 29, 1983

Expenses per Year for 1981-82 First-Year Class

Tuition: $9,150
Student fees: $340
Microscope rental available from school: $100 (one time charge)
Total average figure for all other expenses: $6,300

Information on 1981-82 First-Year Class

Number of	*In-State*	*Out-of-State*	*Total*
Applicants*	1,328	5,173	6,501
New Entrants †	83	78	161

*17% were interviewed.

†100% were interviewed and took the MCAT; 99% had baccalaureate degrees.

University of Pittsburgh School of Medicine

Dr. Donald F. Leon, Dean
Dr. Barbara A. Levey, Director of Admissions
Dr. Frances L. Drew, Associate Dean of Student Affairs

Address inquiries to:
Director of Admissions
Room M-245, Scaife Hall
University of Pittsburgh
School of Medicine
Pittsburgh, Pennsylvania 15261
(412) 624-2489

General Information. The Western Pennsylvania Medical College, chartered in 1883, became the School of Medicine of the University of Pittsburgh in 1908. The School of Medicine is located in the Oakland district of Pittsburgh on the campus of the university in the Alan Magee Scaife Hall of the Health Professions. The five hospitals of the University Health Center of Pittsburgh are adjacent to the medical school and are the Children's Hospital of Pittsburgh, Eye and Ear Hospital, Magee Women's Hospital, Presbyterian-University Hospital, and Montefiore Hospital. In addition, the Western Psychiatric Institute and Clinic and the Oakland Veterans Administration Medical Center are strongly linked to the medical school, and affiliations with many regional community hospitals give students access to excellent clinical experience.

Curriculum. The School of Medicine faculty has developed a strong curriculum directed at graduating well-prepared physicians. The basic sciences are taught in correlation with clinical material to make the scientific basis of medicine relevant to clinical practice. Students are encouraged to develop self-learning skills as preparation for life-long self-education. The first two years are in basic science and introduction to medicine with the option of several clinically related electives. The third year covers all the major clinical specialties of medicine and surgery. In the fourth year there are nine blocks of four weeks which the students can use to develop their skills in either clinical medicine or basic science. The students, with the approval of their faculty advisers, plan their senior elective year.

In addition to the curriculum offerings, there are opportunities for students to interact with community physicians through the Western Pennsylvania Health Preceptorship Program and to interact with house officers through an informal program in the Health Center.

An honors/pass/fail system is used for grading.

Requirements for Entrance. The MCAT is required, and four years of college are preferred. Only under exceptional circumstances is a student accepted to the School of Medicine with less than 120 hours of collegiate work. Work completed in another professional school is not applicable toward this requirement. It is recommended that applicants take the MCAT in the spring of the third year of college study; it must be taken prior to the application deadline of November 1 and also within four years of matriculation.

Specific minimum admission requirements are:

	Years
Biology (with lab) Must be exclusive of botany.	1
Inorganic chemistry (with lab)	1
Organic chemistry (with lab)	1
Physics (with lab)	1
Calculus	1
English composition and literature	1
Behavioral science: psychology, sociology, and/or anthropology	1

A sound college background in the sciences is an essential prerequisite for the study of medicine. Courses taken in chemistry, physics, biology, mathematics, and the behavioral sciences should be acceptable for students majoring in these subjects and not introductory or survey courses sometimes offered only for premedical students. Equally important are competence in the use of the English language and familiarity with the great works in literature. Since these basic requirements may be satisfied by approximately 60 credit hours, students may major in any area that attracts their interest and that they would like to pursue, including the arts and humanities. However, students are expected to show competence in the required science courses and must have completed almost all premedical requirements to receive serious consideration. All requirements must be met prior to matriculation.

Many of the more advanced science courses will enhance the student's preparation; however, subjects that will be covered in medical school, such as human anatomy, histology, and bacteriology, are not encouraged. Applicants are urged to diversify their undergraduate work to obtain a broad educational background.

Selection Factors. Applicants are chosen on the basis of intellect, integrity, maturity, and the ability to interact with people. In the competitive evaluation of applicants, consideration is given to the past academic record, both high school and college; the results of aptitude and achievement tests; evaluations of college preprofessional committees; letters of recommendation, preferably from faculty members with whom the student has interacted in scholarly pursuits; extracurricular activities; and personal interviews. No one is accepted without an interview. Interviews are conducted only at the medical school campus. All applicants are considered without regard to race, religion, sex, or national origin. Foreign nationals must have a permanent resident visa and have completed at least one year of undergraduate education in the United States. Some preference is given to Pennsylvania residents since the university is a state-related school. There is an active recruitment program for minority and disadvantaged students.

Financial Aid. Scholarships and loans administered by the School of Medicine are available to students who are determined to have need. Evaluation of applications is conducted by the College Scholarship Service (see Chapter 6) and by the school's Financial Aid Committee. Decisions are usually made and announced in July preceding the beginning of the school year. Summer research fellowships and other employment opportunities are available.

Timetable of Application and Acceptance for 1983-84 First-Year Class

School participates in AMCAS. See Chapter 4.

Filing of AMCAS application
  Earliest date: June 15, 1982
  Latest date: Nov. 1, 1982
School application fee to all applicants: $40
Acceptance notice to regular applicants
  Earliest date: Nov. 15, 1982
  Latest date: rolling

Does have Early Decision Plan (EDP)
  EDP application period: June 15-Aug. 1, 1982
  Applicants notified by: Oct. 1, 1982
Applicant's response to acceptance offer
  Maximum time: 2 weeks
Deposit to hold place in class: none
Estimated number of new entrants: 136
Starting date: Sept. 1, 1983

Expenses per Year for 1981-82 First-Year Class

Tuition
  Resident: $8,900
  Nonresident: $13,350
Student fees: $46

Student must provide microscope
Total average figure for all other expenses: $8,500

Information on 1981-82 First-Year Class

Number of	*In-State*	*Out-of-State*	*Total*
Applicants*	1,343	2,473	3,816
New Entrants †	113	23	136

*25% were interviewed.

†100% were interviewed, took the MCAT, and had baccalaureate degrees.

Temple University School of Medicine

Dr. Leo M. Henikoff, Dean
Dr. Ethel Weinberg, Associate Dean
Nancy Solomon, Director of Student Programs

Address inquiries to:
Office of Admissions
Temple University
School of Medicine
3400 North Broad Street
Philadelphia, Pennsylvania 19140
(215) 221-3656

General Information. The Temple University School of Medicine opened as a college of Temple University in 1901. The School of Medicine shares a campus with Temple University Hospital; the schools of dentistry, pharmacy, and allied health; and a faculty/student union building. Clinical experience and instruction are given at Temple University Hospital, St. Christopher's Hospital for Children, Albert Einstein Medical Center (Northern Division), Episcopal Hospital, Germantown Hospital, and eight other affiliated community and general hospitals.

Curriculum. The curriculum is designed to prepare students for graduate medical education by providing them with a background of basic factual knowledge, a command of the language of biomedical science, a mastery of the skills necessary for clinical problem-solving and therapy, and a habit of continued self-education.

In the first two years, although primary emphasis is on the principles, concepts, and major factual background of the basic sciences, attention is also given to the clinical application of this material. In addition, courses on clinical medicine and primary care concepts prepare the students for the assumption of initial clinical responsibilities. The third year includes clerkships in family practice, internal medicine, obstetrics-gynecology, pediatrics, psychiatry, and surgery which provide experience in clinical diagnosis, problem-solving, therapeutic planning, and patient relationships. Seven weeks also are devoted to disorders of individual organ systems. In addition to required rotations in emergency medicine, neuroscience, a surgical specialty, and a "subinternship," the senior year provides 20 weeks of individually planned electives which permit students to explore career choice, correct deficits, and expand clinical knowledge.

Requirements for Entrance. A minimum of 90 semester hours in an accredited college or university are required for admission. Although applicants need not major in science, a strong science background and preparation in the humanities are essential. Students who have not completed the baccalaureate degree but who have demonstrated exceptional academic capability and evidence of unusual maturity may apply. The undergraduate program must include:

	Years
Biology (with lab)	1
Inorganic chemistry (with lab)	1
Organic chemistry (with lab)	1
General physics (with lab)	1

The MCAT is required. It is suggested that the MCAT be taken in the spring of the calendar year of application and that all courses required for medical school be completed by the time of application. The Admissions Committee cannot encourage rejected applicants to reapply more than twice.

Selection Factors. The Admissions Committee considers a variety of objective and subjective factors in making its decisions. Among these are the academic record and the college attended, MCAT scores, recommendations from faculty, extracurricular activities, and work experience. Those candidates who are to be given very serious consideration are invited for personal interviews with a member of the Admissions Committee.

As a state-related school, Temple shows preference to residents of Pennsylvania; however, about 15 percent of the class are residents of other states. Nonresidents with a particular interest in Temple and strong credentials are encouraged to apply. The Early Decision Plan is also encouraged for such students.

Selected characteristics of the 1981 entering class are as follows: *mean GPA*, 3.4; *sex*, 31 percent women; *minorities*, 14 percent (about 9 percent black). Of almost 4,000 applicants, approximately 940 were interviewed of whom less than 470 were offered an acceptance to obtain a class of 180 students.

Applicants who apply for early decision should have excellent credentials, including a GPA of 3.5 or better and MCAT scores averaging 10 or more.

Financial Aid. With the exception of small amounts of scholarship money, which is reserved for the upper classes and is based on need plus academic performance, all financial aid is in the form of loans and is based soley on need. Need is established by the use of a national standard financial aid application through GAPSFAS (see Chapter 6), which details financial resources of students (or their families) and balances them against a standard budget plus special need factors. A modicum of relatively low cost financial aid comes from Temple University based moneys as part of the federal programs for health profession loans and national direct student loans. The initial source of assistance for most students will be the Guaranteed Student Loan Program; in fact, all eligible students are expected to secure the first $5,000 of aid from this source. For many students, the primary source of funds may have to be the Health Education Assistance Loan (HEAL) Program. Other sources of assistance may come from medical societies, fraternal organizations, church groups, and, in the case of minority students, from the National Medical Fellowships, Inc. In selected instances students have applied to the scholarship programs of the Armed Forces and the National Health Service Corps.

Information for Minorities. An active program, Recruitment, Admission, and Retention (RAR), meets the special needs of minority applicants. RAR provides exceptional resources for professional academic guidance and personal counseling. Participation in the Summer Educational Reinforcement Activity is encouraged for accepted minority students and others.

Timetable of Application and Acceptance for 1983-84 First-Year Class

School participates in AMCAS. See Chapter 4.

Filing of AMCAS application
  Earliest date: June 15, 1982
  Latest date: Dec. 1, 1982
School application fee to all applicants: $35
Acceptance notice to regular applicants
  Earliest date: Oct. 15, 1982
  Latest date: June 1, 1983
Does have Early Decision Plan (EDP)
  EDP application period: June 15-Aug. 1, 1982
  Applicants notified by: Oct. 1, 1982

Applicant's response to acceptance offer
  Maximum time: 2 weeks
Depsoit to hold place in class (applied to tuition): $100, due with response
Deposit refundable prior to: March 1, 1983
Estimated number of new entrants: 180
Starting date: Sept. 2, 1983

Expenses per Year for 1981-82 First-Year Class

Tuition
  Resident: $8,000
  Nonresident: $11,000
Student fees: $65

Microscope rental available from school: $40
Total average figure for all other expenses: $6,500

Information on 1981-82 First-Year Class

Number of	*In-State*	*Out-of-State*	*Total*
Applicants*	1,669	2,253	3,922
New Entrants †	152	28	180

*24% were interviewed.

†100% were interviewed and took the MCAT; 98% had baccalaureate degrees.

Universidad Central del Caribe
Escuela de Medícina de Cayey

Dr. Raúl A. Marcial Rojas, Dean
Dr. Shukri El-Khatib, Chairman, Admissions Committee
Dr. Carmen A. Escoda, Dean of Students

Address inquiries to:
Section on Admissions
Office of the Dean
Universidad Central del Caribe
Escuela de Medicina de Cayey
P.O. Box 935
Cayey, Puerto Rico 00633
(809) 738-2330

General Information. The Universidad Central del Caribe Escuela de Medicina de Cayey was founded in 1976. Classroom, laboratory, and research facilities are located in the center of the city of Cayey, Puerto Rico. Clinical training is conducted in various governmental and community hospitals, all located within five to 45 minutes from the school. Health-related programs of the university include a radiological technology program and a nursing school.

Two freshman medical student classes are admitted each academic year, in August and January.

Curriculum. The stated educational goal of the medical school is to develop an individual who is well prepared upon graduation for the practice of primary medical care. Throughout the medical school experience of the student, the emphasis of the curriculum is placed on community health, family medicine, and primary medical care.

The curriculum consists of four years of study divided into eight semester periods. The first two years of the curriculum involve primarily basic medical science courses, although introduction to clinical science is presented during this period in community health, family medicine, human behavior, physical diagnosis, and internal medicine courses. Basic science education is organized in traditional subject-oriented course programs which include ample laboratory experience. The final two years of the curriculum are occupied largely by required clinical courses. Didactic material is emphasized in all clinical rotations. One-half semester of elective courses forms part of the curriculum.

Individual student evaluation in all requisite basic science and clinical science courses is based on a letter grade system. Student evaluation in all elective courses is based on an honors/pass/fail system.

Requirements for Entrance. A minimum of 90 credits of satisfactory work in an accredited undergraduate institution must be completed. A baccalaureate degree is not required. All premedical course requirements must either be completed or be in progress prior to consideration for admission.

Required premedical courses and minimum required credits are:

	Sem. hrs.
General biology or zoology	8
General chemistry	8
Organic chemistry	8
General physics	8
College mathematics	6
English	12
Spanish	12

An adequate background in the social sciences and humanities is highly recommended.

The applicant must be proficient in both Spanish and English.

The MCAT is required and must have been taken within two years prior to application. Applicants are strongly urged to take the MCAT during the semester prior to application and to have completed the required courses at the time of application since applications are not reviewed by the Admissions Committee until the MCAT scores and grades are available. Taking the MCAT late or having required courses in process may delay consideration of an application, thus reducing the applicant's chances of acceptance.

Selection Factors. The selection of candidates for admission is made exclusively by the Admissions Committee. The admission process does not discriminate against any individual on the basis of sex, race, religion, economic status, political ideology, or national origin. Major factors considered in the selection of candidates for admission include undergraduate academic record, general GPA and science GPA, performance in all areas of the MCAT, results of a personal interview, and letters of recommendation. A personal interview is required prior to consideration for admission. All interviews are arranged by the Admissions Committee and are conducted at the medical school facilities in Cayey. Rejected applicants are given the opportunity to reapply for admission.

The mean undergraduate general GPA for the 1981 entering class was 3.09, and 21 percent of the entering class were women.

Financial Aid. The Office of the Dean of Students provides financial aid counseling to all prospective students. Incoming freshman students qualify for application to all pertinent federal and commonwealth scholarship and loan programs. Economic status of the applicant is not a consideration during the selection of candidates for admission.

Timetable of Application and Acceptance for 1983-84 First-Year Class

Dates in italics refer to class entering January 1984.

Filing of application
  Earliest date: Jan. 1, 1983; *July 1, 1983*
  Latest date: April 1, 1983; *Oct. 1, 1983*
School application fee to all applicants: $50
Acceptance notice to regular applicants
  Earliest date: May 15, 1983; *Nov. 15, 1983*
  Latest date: Aug. 1983; *Jan. 1984*
Does not have Early Decision Plan

Applicant's response to acceptance offer
  Maximum time: 3 weeks
Deposit to hold place in class (applied to tuition): $100, due with response
Deposit refundable prior to: official date of registration
Estimated number of new entrants: 40 (per class)
Starting date: Aug. 1, 1983; *Jan. 16, 1984*

Expenses per Year for 1981-82 First-Year Class

Tuition: $12,000
Student fees: $21

Student must provide microscope
Total average figure for all other expenses: $2,400 (minimum)

Information on 1981-82 First-Year Class

Data for August 1981 and January 1982 classes.

Number of	*Puerto Rico*	*Other*	*Total*
Applicants*	359	51	410
New Entrants†	65	15	80

*90% were interviewed.
†100% were interviewed and took the MCAT; 73% had baccalaureate degrees.

Ponce Medical School Foundation
Ponce School of Medicine

Dr. José N. Correa, M.D., Dean
Victor M. Madera, Dean for Administration
Nilda Soto de Henríquez, Director of Admissions Office

Address inquiries to:
Director of Admissions
Ponce Medical School Foundation
Ponce School of Medicine
Box 7004
Ponce, Puerto Rico 00732
(809) 840-2575

General Information. The Ponce School of Medicine of the Ponce Medical School Foundation, Inc., formerly Catholic University of Puerto Rico School of Medicine, took over the operations on July 1, 1980, under the government of a board of trustees. The present enrollment is 150 students. The school graduated its first class in June 1981, granting 23 M.D. degrees.

Curriculum. The medical program's basic objective is to provide the commonwealth of Puerto Rico, especially the southern region of the island, with ethically motivated, professionally competent primary care physicians. The curriculum provides students with an early experience in family and community health needs. During the first two years the basic medical sciences are thoroughly emphasized. Clinical experience takes precedence during the third and fourth years. The correlation between the basic and the clinical sciences is achieved in a multidisciplinary program. Throughout the four-year program, great emphasis is placed on the students' contact with the patient and his family, as a complement to their academic-hospital experience.

Every academic semester contains, in addition to the regular curricula, a series of supplementary seminars dealing with the ethical and social components of medical practice and with additional specific subjects that are incidental and relevant to the profession. The program seeks to develop well balanced, mature general practitioners, equally well qualified in the professional and ethical aspects of medicine.

Clinical training is offered at the following facilities in Ponce: Damas Hospital, a private community institution with 356 beds; La Playa Diagnostic Center, which serves as the main training area for community and family practice; Ponce District Hospital with 550 beds; Dr. Pila Hospital with 160 beds; and St. Luke's Hospital with 160 beds. Clinical training is also offered at the Conceptión Hospital with 188 beds, located in San Germán, a town about 40 minutes from Ponce, in the western part of Puerto Rico, and Yauco Regional Hospital with 140 beds, located to the west of Ponce, 20 minutes from the Ponce School of Medicine.

Students' work is graded according to an honors/pass/fail/incomplete/extended system.

Requirements for Entrance. The MCAT and a minimum of three years (100 semester hours) of accredited college work are required. Accredited courses should include the following minimum requirements:

	Sem. hrs.
Biology	8
Inorganic chemistry	8
Organic chemistry	8
Physics	8
College algebra	3
Trigonometry	3
Humanities	6
English	12
Spanish	12
Behavioral sciences	32

Applicants should take the MCAT in the spring or fall of the year prior to their projected start of medical school. Other academic requirements should be met not later than during the academic year immediately preceding their anticipated entrance to the school. Applicants are required to write two short essays on specific subjects during the interview and to submit written evaluations from at least three faculty members of the institution where they have recently studied.

Selection Factors. Selection of applicants is made by the Admissions Committee on the basis of academic achievement, MCAT ratings, evaluation letters, and personal interviews. The essays and interviews are used to determine the motivation and character of the applicants. Only those who pass a preliminary screening, based on MCAT rating and college grades, are interviewed. Careful consideration is given to all applicants regardless of racial or ethnic background, religious affiliation, sex, or national origin. Residents of Puerto Rico are given preference, although a limited number of applicants who live in the United

States may gain admission. Candidates who do not have at least a functional knowledge of both English and Spanish are not encouraged to apply, since instruction is given in both languages.

The 1981 entering class had the following profile: *average GPA*, 3.15 (68 percent above 3.0); *sex*, 22 percent female; *residence*, 76 from Puerto Rico, 24 percent from the continental U.S.; *average number of college credits approved*, 100; *undergraduate major*, 53 percent in biology and chemistry. The entering class of 60 freshmen was selected out of 400 applicants.

Financial Aid. Most of the regular opportunities are locally available, including loans through banking institutions. The school's Office of Student Aid offers individual advice and assistance depending on need and existing possibilities.

About 70 percent of the 1981 entrants received financial aid. Before they are selected, students are informed about opportunities for financial assistance. Financial limitations should not deter prospective candidates from applying.

Timetable of Application and Acceptance for 1983-84 First-Year Class

School participates in AMCAS. See Chapter 4.

Filing of AMCAS application
  Earliest date: June 15, 1982
  Latest date: Dec. 15, 1982
School application fee to all applicants: $25
Acceptance notice to regular applicants
  Earliest date: Oct. 15, 1982
  Latest date: May 15, 1983
Does not have Early Decision Plan

Applicant's response to acceptance offer
  Maximum time: 3 weeks
Deposit to hold place in class (applied to tuition): $100, due within 3 weeks after acceptance offer
Deposit refundable prior to: May 31, 1983
Estimated number of new entrants: 50
Starting date: July 1983

Expenses per Year for 1981-82 First-Year Class

Tuition
  Resident: $10,000
  Nonresident: $12,000
Student fees: $230

Microscope rental available from school: $200; student may provide microscope if approved by the Department of Anatomy
Total average figure for all other expenses: $10,600

Information on 1981-82 First-Year Class

Number of	*Puerto Rico*	*Other*	*Total*
Applicants*	115	285	400
New Entrants†	46	14	60

*48% were interviewed
†100% were interviewed and took the MCAT; 85% had baccalaureate degrees.

University of Puerto Rico Medical Sciences Campus School of Medicine

Dr. Pedro J. Santiago-Borrero, Dean
Rita Aponte-Rodriguez, Admissions Officer
Manuel Carrasco, Director, Financial Aid Office

Address inquiries to:
Central Admissions Office—Medicine
University of Puerto Rico
Medical Sciences Campus
School of Medicine
G.P.O. Box 5067
San Juan, Puerto Rico 00936
(809) 753-2966

General Information. The University of Puerto Rico School of Medicine, established as the School of Tropical Medicine in 1924, became affiliated with the University of Puerto Rico in 1949. The chief teaching institution is the University District Hospital. The affiliated hospitals of the Puerto Rico Medical Center and the Hospital Consortium, which includes the main health care facilities in Ponce, Mayaquez, and Caguas, also serve the medical school for teaching purposes. Besides the School of Medicine, the Medical Sciences Campus provides space for the School of Dentistry, the College of Allied Health Professions, the Faculty of Biosocial Sciences and Graduate School of Public Health, and the School of Pharmacy. Its location, adjacent to the University District Hospital, permits integration of basic and clinical departments and an improved utilization of all Medical Sciences Campus resources.

Curriculum. The curriculum is designed to be four academic years with an option of completion in 38 months. The first two years include the fundamentals of biological, behavioral, and clinical sciences. The instructional units in the first and part of the second year are handled by the Basic Sciences Department. The rest of the sophomore year is integrated by body systems and has a multidisciplinary faculty. Individual and collective human behavior, environmental factors, and public health are included in a course, Man and His Environment, designed to interrelate the effects of these variables on man. The third year is primarily dedicated to clinical experiences, and the fourth year is spent in 24 weeks of elective courses and 12 weeks of subspecialties. The use of educational techniques, such as instructional objectives, increased use of audiovisual resources, diversification of teaching exercises, and criterion-reference evaluation, is emphasized. Students are graded on an honor/pass/fail system.

Requirements for Entrance. The MCAT and a minimum of 90 semester hours of accredited college work, which must be completed no later than the academic year (not summer session) preceding admission, are required. Fluency in Spanish and English is required. College work must include the following courses:

	Credits
Biology (with lab)	8
Inorganic chemistry (with lab)	8
Organic chemistry (with lab)	8
Physics (with lab)	8
English	12
Spanish	12
Behavioral and social sciences Must include sociology, psychology, political sciences, economics, or anthropology.	6

Course work in college mathematics is recommended.

The School of Medicine accepts CLEP and advanced placement examinations toward the fulfillment of admission requirements if credits are granted for having passed the exams and are clearly indicated on the undergraduate college transcripts as having been accepted by that college.

Since the preclinical courses in the School of Medicine are largely scientific in nature, it is to the student's advantage to obtain a well rounded undergraduate education.

Selection Factors. In selecting students the Admissions Committee considers the candidate's academic record, MCAT scores, recommendations of instructors, attitudinal and other personality factors assessed in required personal interviews, extracurricular activities, and any other pertinent information. Personal interviews are conducted only by invitation from the Admissions Committee to those students with high numerical ranks according to a formula approved by the Academic Senate. This formula gives equal weight to academic indices and MCAT scores, with somewhat less weight being given to ratings derived from evaluations by premedical committees and interviewers. Arrangements can be made for candidates from the continental United States to be interviewed by members of admissions committees at other schools of medicine, although interviews on the island are scheduled to coincide with the December holidays to allow for local evaluations. Rejected applicants are given the opportunity to reapply for admission. Applicants, without exception, must submit all application material and supporting credentials by December 15 of the year preceding the school year for which they request admission.

The School of Medicine has the policy of giving equal opportunity for education and training in and the practice of the health professions without regard to race, creed, sex, national origin, age, or handicap. Since the school is mainly supported by the commonwealth of Puerto Rico, however, preference is given to U.S. citizens who are legal residents of Puerto Rico.

Accepted students for the 1981 entering class had the following credentials: *mean GPA*, 3.54 (97 percent above 3.0); *mean science grade index*, 3.51 (94 percent above 3.0); *MCAT scores*, averaged between 7 and 8 on each subtest; *sex*, 29 percent women; *residence*, 99 percent from Puerto Rico; *overall acceptance rate*, 451 applications were received, 160 offers of acceptance were made to obtain a class of 150 freshmen.

Financial Aid. Financial aid is available to students in all four years. More than 50 percent of the students receive some kind of financial aid from the Medical Sciences Campus at some time during their four years of study. Awards are made by the Committee on Scholarships and Loans on the basis of confidential applications submitted by the students. Financial need is the major criterion. Applicants who require scholarship assistance may make application in conjunction with the application for admission or at any time before March 31, but financial need will not influence the selection process. Forms are furnished by the Office of the Dean for Student Affairs of the Medical Sciences Campus upon request.

Timetable of Application and Acceptance for 1983-84 First-Year Class

Filing of application
  Earliest date: July 1, 1982
  Latest date: Dec. 15, 1982
School application fee to all applicants: $15
Acceptance notice to regular applicants
  Earliest date: March 1, 1983
  Latest date: May 15, 1983
Does not have Early Decision Plan

Applicant's response to acceptance offer
  Maximum time: 2 weeks
Deposit to hold place in class (applied to tuition): $25, due 2 weeks after acceptance offer
Deposit refundable prior to: June 15, 1983
Estimated number of new entrants: 150
Starting date: Aug. 1983

Expenses per Year for 1981-82 First-Year Class

Tuition
  Resident: $1,500
  U.S. Mainland Resident: pays according to a standardized fee scale
  Nonresident: $8,000

Student fees: $125.40
Student must provide microscope
Total average figure for all other expenses: $5,000

Information on 1981-82 First-Year Class

Number of	*Puerto Rico*	*U.S. Mainland*	*Foreign*	*Total*
Applicants*	418	30	3	451
New Entrants†	149	1	0	150

*62% were interviewed.
†100% were interviewed and took the MCAT; 61% had baccalaureate degrees.

Brown University Program in Medicine

Dr. David S. Greer, Dean of Medicine
Cynthia Kern, Coordinator for Admission and Financial Aid
Dr. Glenn C. Conroy, Assistant Dean for Medical Student Affairs

Address inquiries to:
Office of Admission, Box G
Brown University
Program in Medicine
Providence, Rhode Island 02912
(401) 863-2149

General Information. Brown University is located in the city of Providence at the head of Narragansett Bay. The campus of the university is on College Hill in a residential area overlooking the center of the city. The university has a single faculty offering programs of study in several areas, both undergraduate and graduate.

The Program in Medical Science, begun in 1963, was offered by the Division of Biological and Medical Sciences with the participation of other departments in the university and initially led only to a master's degree. The Program in Medicine leading to the M.D. degree was begun in 1973 and is based both on campus and in the affiliated hospitals (Bradley, Butler, Memorial, Miriam, Rhode Island, Roger Williams, Women and Infants, and Veterans Administration hospitals). The inaugural M.D. class was graduated in June 1975.

The program is structured on the conviction that the conventionally separate premedical, preclinical, and clinical phases of medical education can be presented more effectively as a seven- to eight-year continuum. The majority of each class is accepted into the program at the freshman college level. Up to 20 candidates will be accepted from outside of the seven- to eight-year program at the usual point of entry (that is, into the first year of medical school).

The trustees of Dartmouth College and the Corporation of Brown University have approved a Brown-Dartmouth Program to which 20 medical students will be admitted jointly. Students spend the first two years at Dartmouth Medical School and transfer to the Brown University Program in Medicine for the third and fourth years. Applications for the Brown-Dartmouth Program are initiated at Dartmouth. (See Dartmouth Medical School entry for further information.)

Curriculum. The Division of Biology and Medicine, in conjunction with other university departments, offers a seven- to eight-year program in medical science leading to a baccalaureate degree at the completion of four years, a master of medical science degree, and the M.D. degree at the end of seven or eight years.

For those outside students (up to 20 per year) transferring into the Program of Medicine (the four conventional years of professional medical education leading to the M.D. degree), the following educational sequence may be anticipated. The first year is devoted to courses in human morphology, physiological control systems, biochemical pharmacology, medical microbiology, general pathology, social and behavioral sciences, and biochemistry. The second-year curriculum consists of a closely coordinated program in pathophysiology, organized around the major organ systems and introductory courses in behavioral medicine and physical diagnosis. The third and fourth years are composed of 56 weeks of required clinical clerkships and considerable time for elective activity. The curriculum is so scheduled as to permit students considerable latitude in creating a program best suited to their educational needs. In conjunction with their advisers, the students are expected to determine the course content of about one-fourth of their time in the Program in Medicine.

The required curriculum is under continuous scrutiny and revision.

Requirements for Entrance. The MCAT is required, and applicants are urged to take the MCAT in the spring prior to applying. While a minimum of three years of college is required, preference will be given to students who have received a baccalaureate degree before matriculation in the Program in Medicine. Satisfactory completion of the following courses is required:

	Courses
Biology Molecular biology, cell physiology, biochemistry, and histology are recommended.	3
General chemistry	2
Organic chemistry	2

Physics	2
Calculus	2
Social and behavioral sciences	3

Selection Factors. Students are selected on the basis of scholastic accomplishment and promise, intellectual curiosity, emotional maturity, character, motivation, and, particularly, the degree to which they seem adapted to the special features of the program. Applicants are assessed without regard to sex, race, religion, national origin, or handicap. All completed applications are screened by the Medical Admissions Advisory Committee, and those applicants who merit further consideration will be invited for a personal interview.

Applications from members of racial minority and disadvantaged groups are encouraged.

Residents of Rhode Island are given special consideration for admission to the first and third years of medical school.

Financial Aid. In early spring students who are accepted for admission are provided financial aid applications on which they may document their request for financial assistance. Before students may be considered for financial aid from Brown University, they must apply for a federally insured student loan. Financial aid may then be offered in the form of a scholarship, a loan, or both, in accordance with the requirements of the individual situation and the availability of funds in the various categories. Financial aid is not awarded to foreign national students beyond the resources available from funds specially designated for that purpose.

Timetable of Application and Acceptance for 1983-84 First-Year Class

Filing of application
  Earliest date: Aug. 1, 1982
  Latest date: Nov. 1, 1982
School application fee to all applicants: $60
Acceptance notice to regular applicants
  Earliest date: Dec. 15, 1982
  Latest date: May 15, 1983
Does have Early Decision Plan (EDP)
  Nonresidents must apply under EDP
  EDP application period: July 1-Sept. 1, 1982
  Applicants notified by: Oct. 1, 1982

Applicant's response to acceptance offer
  Maximum time: 3 weeks
Deposit to hold place in class (applied to tuition): $100, due with response
Deposit refundable prior to: June 15, 1983
Estimated number of new entrants: 60 (majority will be from seven-year continuum program)
Starting date: Sept. 20, 1983

Expenses per Year for 1981-82 First-Year Class

Tuition: $9,200
Student fees: $180

School provides microscope without charge
Total average figure for all other expenses: $4,185

Information on 1981-82 First-Year Class

Number of	*In-State*	*Out-of-State*	*Total*
Applicants*	93	1,266	1,359
New Entrants †	17	44	61

*10% were interviewed.

†100% were interviewed and took the MCAT; 62% had baccalaureate degrees. The majority were from the seven-year continuum program.

Medical University of South Carolina College of Medicine

Dr. W. Marcus Newberry, Jr., Dean
E. Glenn Overton, University Registrar
and Director of Admissions
Jo Ann Bolchoz, Director, Student Financial Aid

Address inquiries to:
University Registrar and Director of Admissions
Medical University of South Carolina
College of Medicine
171 Ashley Avenue
Charleston, South Carolina 29425
(803) 792-3281

General Information. The Medical University of South Carolina, founded in 1824 as the Medical College of South Carolina, is the South's oldest medical school. The College of Medicine is state owned and operated as part of the Medical University located in Charleston. Clinical facilities are currently provided in the 535-bed Medical University Hospital, in a heavy concentration of adjacent hospitals supplying some 1,200 additional beds, and through a consortium with community hospitals in Greenville, Spartanburg, Columbia, and Florence. The Medical University also administers a statewide Area Health Education Center program. A seven-story Basic Sciences Building provides spacious quarters for instruction of the basic medical sciences, and the Administration Building houses a library of substantial holdings and up-to-date study areas and a major Learning Resource Center. In addition to the classical basic science and clinical departments, a Department of Family Medicine conducts a model residency program in the clinical area. The department also coordinates a statewide Family Practice Residency Training Program. Instruction in all disciplines benefits from the availability of many teaching materials supported by the expertise of the Office of Educational Services. A Clinical Sciences Building offers expanded outpatient services. Through substantial growth in personnel and facilities in recent years, the Medical University has been able to greatly increase its contribution to health care.

Curriculum. The curriculum of the College of Medicine is structured as a core-elective system. The first two years of a four-year curriculum provide instruction in the basic sciences by the basic science departments and include early clinical correlation. The student has contact with patients beginning with the second year of medical school.

The clinical core consists of medicine (12 weeks), surgery (12 weeks), and obstetrics and gynecology, pediatrics, and psychiatry (8 weeks each). The curriculum affords a continuous rotation through the five areas of clinical core during the junior year and provides a full year of elective study during the senior year. Basic science and clinical electives are offered in blocks of four or multiples of four weeks each. At least half of the elective time must be in clinical electives unless approved by the associate dean for curriculum. Electives offered at the Medical University in the senior year are not limited to the hospital and clinics of the Medical University. Facilities and resources in affiliated hospitals in the Charleston area as well as the consortium hospitals afford students an opportunity to broaden and enrich their experiences.

The College of Graduate Studies and the College of Medicine offer a combined program leading to both the M.D. and Ph.D. degrees. The purpose of this combined program is to provide competency in medicine plus detailed knowledge and research training in one of the related sciences without sacrificing the customary requirements for either degree. A student interested in the combined program must first be accepted as a student in the College of Medicine and then make application for the Ph.D. program in one of the basic science departments.

Requirements for Entrance. The MCAT and a minimum of three years of college (90 semester hours) are required. Preference is given to applicants who have completed four years of college and earned a baccalaureate degree. The minimal requirements are:

	Sem. hrs.
Biology (with 2 hrs. lab)	8
Inorganic chemistry (with 2 hrs. lab)	8
Organic chemistry (with 2 hrs. lab)	8
Physics	8
College mathematics Must include one year of general college mathematics or 3 sem. hrs. or more of calculus	6
English composition and literature	6

The following electives are suggested: advanced zoology, psychology, English, history, advanced mathematics, analytical and/or physical chemistry, economics, sociology, political science, and modern foreign language.

Selection Factors. Selection is based on a total evaluation of the student. Information utilized by the Admissions Committee in its evaluation of an applicant includes: academic standing, capabilities as reflected in MCAT scores, recommendations of former instructors, and assessments of the applicant's personality, intellect, and seriousness of purpose as determined in a personal interview with members of the Admissions Committee. Interviews are scheduled for applicants after the Admissions Committee has made a preliminary examination of the applicant's credentials and decided that an interview is worthwhile. Nonresident applications are considered, but because of limited facilities, superior credentials are necessary for acceptance. The school does not discriminate on the basis of race, creed, national origin, sex, age, or handicap in its admission, employment, and educational activities and programs.

Financial Aid. A limited number of scholarship funds, including some state scholarships, are available to entering freshmen. Loan programs are also available.

First-year students are discouraged from seeking outside employment. A number of externships and student assistantships in research laboratories may be available.

Timetable of Application and Acceptance for 1983-84 First-Year Class

School participates in AMCAS. See Chapter 4.

Filing of AMCAS application
  Earliest date: June 15, 1982
  Latest date: Dec. 1, 1982
School application fee after screening: $15
Acceptance notice to regular applicants
  Earliest date: Oct. 15, 1982
  Latest date: April 1, 1983
Does have Early Decision Plan (EDP)
  For South Carolina residents only
  EDP application period: June 15-Aug. 1, 1982
  Applicants notified by: Oct. 1, 1982

Applicant's response to acceptance offer
  Maximum time: 2 weeks
Deposit to hold place in class (applied to tuition): $40, due with response
Deposit refundable prior to: June 15, 1983
Estimated number of new entrants: 165
Starting date: Aug. 22, 1983

Expenses per Year for 1981-82 First-Year Class

Tuition and fees
  Resident: $1,672
  Nonresident: $3,092

Microscope rental available from school: $200 (student may provide microscope)
Total average figure for all other expenses: $7,200

Information on 1981-82 First-Year Class

Number of	*In-State*	*Out-of-State*	*Total*
Applicants*	388	612	1,000
New Entrants†	161	4	165

*29% were interviewed.

†100% were interviewed and took the MCAT; 98% had baccalaureate degrees.

University of South Carolina School of Medicine

Dr. Roderick Macdonald, Jr., Dean
Dr. Alexander G. Donald, Associate Dean for Student Affairs and Director of Admissions

Address inquiries to:
Office of Admissions
University of South Carolina
School of Medicine
Columbia, South Carolina 29208
(803) 777-2768

General Information. The University of South Carolina School of Medicine was established in 1974 by the South Carolina General Assembly in conjunction with the Veterans Administration. The School of Medicine graduated its first class in May 1981. Administrative offices, faculty offices, and research laboratories are presently located on the main campus of the University of South Carolina. A majority of first- and second-year courses are taught in teaching and laboratory facilities presently available on the main campus. Clinical instruction is provided at Richland Memorial Hospital, a new 600-bed community hospital; William S. Hall Psychiatric Institute, a nationally recognized teaching institute; Moncrief Army Hospital, a new 450-bed short-term general hospital; and the new 400-bed Veterans Administration Hospital. These facilities provide a more than adequate number of teaching beds as well as extensive outpatient facilities. Other outpatient and clinical facilities in community settings throughout South Carolina are planned.

Following appropriate renovation of the former Veterans Administration Hospital, the School of Medicine will engage in a phased move to become geographically situated on the 93-acre site of the Columbia Veterans Administration Hospital complex. The School of Medicine library is complete and has been moved to the complex. Thus, students have an opportunity to learn and be involved in patient care in a variety of health care facilities.

Curriculum. The School of Medicine offers a program of study designed to provide education and training in the art and science of the practice of medicine. A variety of opportunities and an array of choices are presented to students which may lead them to differing careers within the field of medicine, such as family practice, specialization, academic medicine, clinical research, or research in any of the biomedical sciences. Each of the first two years of the regular four-year medical program consists of two academic semesters primarily of required basic science courses, concomitant with the introduction of the student to the basic characteristics of the physician-patient relationship through a family medicine continuum, an introduction to medicine series, and physical diagnosis. The correlation between basic and clinical science information is emphasized throughout the four-year curriculum. The third year consists of required clinical clerkships in medicine, surgery, pediatrics, obstetrics/gynecology, family medicine, and psychiatry. The fourth year is devoted to advanced clinical work, both elective and required. During this time, students have the opportunity to strengthen their clinical skills and pursue individual academic interests and career goals in preparation for a lifelong study of medicine. These elective experiences may encompass the entire spectrum of the medical school experience from the basic sciences to various medical and surgical specialties and from teaching to research to patient care.

Requirements for Entrance. The MCAT and the equivalent of three years of undergraduate work are required. Generally, MCAT scores are unacceptable from tests taken more than two years prior to application. Strong preference is given to those applicants who will have earned their baccalaureate degree prior to matriculation. Specific minimum course work requirements are:

	Years
General biology or zoology (with lab)	1
Inorganic chemistry (with lab)	1
Organic chemistry (with lab)	1
General physics (with lab)	1
College algebra	1
Integral and differential calculus are suggested.	
English composition and literature	1

The science and mathematics requirements must be acceptable for continued study by department majors.

With the exception of these specific courses, applicants are encouraged to pursue their personal educational interests without regard to any major field of study.

Quality of course work rather than the field in which it is taken is the most important consideration.

Selection Factors. The selection process involves the comparative evaluation and review of all available application data, including MCAT scores, undergraduate academic performance, comments contained in letters of recommendation, and the results of personal interviews with members of the Admissions Committee. The opportunity for admission is greatest for legal residents of South Carolina. Competitive nonresidents must have superior credentials. Consideration is given only to applicants who are U.S. citizens or permanent residents of South Carolina. The ultimate selection of a student is based upon a total and comparative appraisal of the applicant's suitability for the successful practice of medicine.

The AMCAS application is used for preliminary screening. After this initial review, the Admissions Committee may request the applicant to submit additional material for the final application, such as letters of recommendation, personal essay, and a photograph, as well as extend an invitation for a personal interview at the university campus in Columbia. Each applicant is evaluated on the basis of individual qualifications without regard to age, race, creed, national origin, sex, or handicap.

Financial Aid. Limited funds are available for loans and scholarships; however, the Office of Student Affairs makes every effort to provide information and assistance to help students meet their financial obligations. Ultimate responsibility for arranging the financing of a medical education must rest with the student. First-year students are not permitted to seek outside employment during the academic year. Participation in outside employment by upperclassmen must have the approval of the dean for student affairs.

Information for Minorities. The director of admissions actively encourages applications from minority groups throughout South Carolina.

Timetable of Application and Acceptance for 1983-84 First-Year Class

School participates in AMCAS. See Chapter 4.

Filing of AMCAS application
  Earliest date: June 15, 1982
  Latest date: Dec. 1, 1982
School application fee after screening: $20
Acceptance notice to regular applicants
  Earliest date: Oct. 15, 1982
  Latest date: when class is filled
Does have Early Decision Plan (EDP)
  EDP application period: June 15-Aug. 1, 1982
  Applicants notified by: Oct. 1, 1982

Applicant's response to acceptance offer
  Maximum time: 2 weeks
Deposit to hold place in class (applied to tuition): $100, due with response
Deposit refundable prior to: April 1, 1983
Estimated number of new entrants: 48
Starting date: Aug. 15, 1983

Expenses per Year for 1981-82 First-Year Class

Tuition and fees
  Resident: $2,020
  Nonresident: $3,995

Student must provide microscope
Total average figure for all other expenses: $6,600

Information on 1981-82 First-Year Class

Number of	*In-State*	*Out-of-State*	*Total*
Applicants*	361	277	638
New Entrants†	50	1	51

*29% were interviewed.
†100% were interviewed and took the MCAT; 96% had baccalaureate degrees.

The University of South Dakota School of Medicine

Dr. Charles E. Hollerman, Dean
Dr. George C. Rinker, Associate Dean
Cathy Meyer, Administrative Assistant

Address inquiries to:
Office of Student Affairs
The University of South Dakota
School of Medicine
Vermillion, South Dakota 57069
(605) 677-5233

General Information. The School of Medicine was established in 1907 as a two-year school for the basic medical sciences and has been in continuous operation since that time. The school was physically expanded in 1960 and again in 1969 and houses modern teaching facilities, research laboratories, and the medical library, including the Health Resource Library for South Dakota.

In 1974 a degree-granting program was funded by the state legislature. The first junior class of 40 students entered in May 1975 at two clinical training centers, one in Yankton and the other in Sioux Falls. Both centers are within 60 minutes of Vermillion. A clinical training center in Rapid City has been added, and the junior class has been expanded to 50 students. The primary objective of the medical school is the training of family practice physicians for South Dakota. The clinical program is fully accredited by the Liaison Committee on Medical Education.

Curriculum. A thorough knowledge of the basic medical sciences is emphasized during the first two years. An understanding of these basic concepts provides fundamental knowledge of the human body and hence a rational approach to the diagnosis and treatment of disease. Second-year students are also introduced to patients in the affiliated hospitals. The junior year consists of five major clerkships—internal medicine, surgery, obstetrics/gynecology, psychiatry, pediatrics—and several subspecialties. A major eight-week clerkship in family practice and a four-week Emergency Medicine Clerkship are required in the senior year with a variety of other clerkships available on an elective basis. Each medical student finishing the first two years at the School of Medicine is required to spend the last four weeks of the sophomore year with a preceptor who is a primary care practicing physician in a South Dakota community.

Student progress is recorded each semester using the conventional letter grading system (A, B, C, D, F).

Requirements for Entrance. The MCAT and at least three years of college are required. The baccalaureate degree is very desirable. Each applicant must have at least 90 semester hours of work from an accredited college to be admitted and at least 64 semester hours to be considered for admission. The following courses are required. Specific courses may be waived under extenuating circumstances.

	Sem. hrs.
General biology or zoology	8
General chemistry	8-10
Organic chemistry	6-8
Quantitative analysis	2
General physics	8
College mathematics Analytical geometry and calculus are preferred.	8
English composition and literature	12
Psychology and sociology	6

All science courses should involve extensive lab work. Chemistry courses should include qualitative analysis and the study of aliphatic and aromatic compounds.

Additional courses in genetics, embryology, and computer science are recommended.

All required courses should be the same courses taken by majors in each area. Applicants are encouraged to arrange their premedical studies around an undergraduate major. Students are free to choose a major since there is no discrimination on the basis of field of study. The MCAT must be taken no later than the fall of the year preceding the one for which admission is desired. No application is reviewed until all MCAT scores, AMCAS application, letters of recommendation, and supplementary application have been received.

Selection Factors. Applicants are chosen on the basis of intellect, character, and motivation. Information about the applicant considered by the Committee on Admissions includes: academic achievement as indicated by all of the student's scholastic records; retentiveness and ability to perform under pressure as reflected by

MCAT scores; curiosity, learning habits, and fitness for a career in medicine as viewed by the applicant's former instructors; and assessments of personal factors of the applicant as determined by interviews conducted by the Committee on Admissions.

Accepted applicants for the 1981 entering class had the following credentials: *science GPA*, 3.53; *nonscience GPA*, 3.64; *overall GPA*, 3.58; *sex*, 30 percent women; *undergraduate major*, 98 percent in science and 2 percent in nonscience.

The school does not discriminate on the basis of race, sex, creed, or national origin. Preference is shown to legal residents of South Dakota.

Financial Aid. Economic status plays no role in the admissions process. Low interest loans are available to students on the basis of demonstrated financial need. Applications for financial aid from freshmen are considered only after fall classes begin. Students are discouraged from seeking outside employment during academic periods. Approximately 80 percent of the student body receive financial aid.

Timetable of Application and Acceptance for 1983-84 First-Year Class

School participates in AMCAS. See Chapter 4.

Filing of AMCAS application
  Earliest date: June 15, 1982
  Latest date: Nov. 15, 1982
School application fee to all applicants: $5
School application fee after screening: $15
Acceptance notice to regular applicants
  Earliest date: Dec. 15, 1982
  Latest date: March 15, 1983

Does not have Early Decision Plan
Applicant's response to acceptance offer
  Maximum time: 2 weeks
Deposit to hold place in class (applied to tuition):
  $150, due with response
Deposit refundable prior to: June 1, 1983
Estimated number of new entrants: 65
Starting date: Aug. 8, 1983

Expenses per Year for 1981-82 First-Year Class

Tuition: $4,000
Student fees: $483

Microscope rental available from school: $30
Total average figure for all other expenses:
  $5,600

Information on 1981-82 First-Year Class

Number of	*In-State*	*Out-of-State*	*Total*
Applicants*	142	344	486
New Entrants †	63	2	65

*32% were interviewed.

†100% were interviewed and took the MCAT; 95% had baccalaureate degrees.

East Tennessee State University
Quillen-Dishner College of Medicine

Dr. Herschel L. Douglas, Dean
Edwin D. Taylor, Admissions Officer
and Registrar
Marion L. Campbell, Financial Aids Officer

Address inquiries to:
Admissions Officer
East Tennessee State University
Quillen-Dishner College of Medicine
P.O. Box 19900A
Johnson City, Tennessee 37614
(615) 928-6426, Ext. 220

General Information. The Quillen-Dishner College of Medicine is located on the East Tennessee State University (ETSU) campus in Johnson City and on the grounds of the Mountain Home Veterans Administration Medical Center, adjacent to the university. The college was established by an act of the Tennessee General Assembly in 1974, enrolled the first class in 1978, and graduated its first students in May 1982.

A community-based medical school, the college utilizes a number of area medical facilities for its clinical instruction. Major affiliations are held with four hospitals: the Mountain Home Veterans Administration Medical Center and the Johnson City Medical Center in Johnson City; the Bristol Memorial Hospital in Bristol, Tennessee and Virginia; and the Holston Valley Community Hospital in Kingsport. Clinical instruction is also provided in university supported Family Practice Centers in Johnson City, Kingsport, and Bristol. These hospitals provide the College of Medicine with approximately 1,800 patient beds, and the medical school's service area provides a population of approximately 1,500,000 people.

Through its diverse resources, the Quillen-Dishner College of Medicine is striving to meet selected community and regional health needs.

Curriculum. The primary objective of the College of Medicine is to prepare students who will be well grounded in the sciences and art of medicine and, at the completion of their training, be capable of continuing in postgraduate (residency) training. The major strengths of the curriculum include a wide range of well presented educational experiences, a commitment to primary care education, varied patient populations and hospitals, small class size, and a highly diversified faculty. A combination of departmental and interdisciplinary curricula is under the constant surveillance of the Curriculum Committee and is continually evaluated as the school continues to develop. Student input is a key factor in continuing curriculum development.

The first two years of the curriculum are devoted to the study of the basic medical sciences with an early orientation to clinical applications providing an introduction to patient care. The third and fourth years provide expanded experience in clinical settings. Flexibility is attained by allowing a portion of the scheduled curriculum for elective courses, including research and advanced clinical studies.

Requirements for Entrance. The MCAT and a minimum of three years of college are required. The equivalent of 90 semester hours of credit, applicable toward a B.A. or B.S. degree at a regionally accredited institution, is the minimum requirement, although most selected students complete the entire four years. Specific required courses are:

	Sem. hrs.
Biology (with lab)	8
General or inorganic chemistry (with lab)	8
Organic chemistry (with lab)	8
Physics (with lab)	8
English composition and literature	9

Applicants are urged to follow their personal interests in developing their premedical courses of study with the exception of the courses noted above. Major studies in the humanities or in the sciences are equally acceptable. CLEP credit in any of the required premedical courses is acceptable, provided that one or more advanced courses in the same area are successfully completed later.

Selection Factors. Admission to the College of Medicine is based upon a competitive selection process involving those applicants who meet the minimum requirements for admissions consideration. The responsibility of the Admissions Committee is to select those students who they believe are the best qualified for, and will most benefit from, the program of medical education and, more importantly, those who give the promise of being not merely satisfactory medical students but also capable, responsible physicians of high ethical standards. The Admissions Committee screens applicants on the basis of academic achievement, MCAT scores, letters of recommendation, pertinent extracurricular research and work experiences, and evidence of nonscholastic accomplishments.

At the completion of this general screening the Admissions Committee may request supplementary information and a personal interview with the applicant. Interviews are held only on the campus and are at the applicant's expense.

Because the College of Medicine is a state supported institution, preference for admission will be given to residents of the state of Tennessee. In addition, the College of Medicine gives preference to veterans of U.S. military service (Public Law 92-451) and to applicants who will have received at least a baccalaureate degree from a regionally accredited institution before admission to the college. All preferences are applied conjunctively.

Some characteristics of the students accepted for the 1981 entering class were: *mean GPA*, 3.3; *mean MCAT score*, 8.8; *sex*, 25 percent women.

Financial Aid. The financial needs of the applicant are not a consideration in the selection process. After students are accepted, every effort is made to assist them in meeting their financial requirements. Scholarships and loans are available on a limited basis and are granted to students who demonstrate financial need.

Medical students are discouraged from seeking employment, but the financial aids officer will assist in finding employment for spouses. Further information may be obtained by writing the financial aids officer in the Office of Student Affairs.

Information for Minorities. The College of Medicine actively seeks applicants of both sexes and members of minority groups. East Tennessee State University does not discriminate on the basis of race, sex, creed, national origin, age, or handicap. The university is an equal opportunity/affirmative action employer.

Timetable of Application and Acceptance for 1983-84 First-Year Class

School participates in AMCAS. See Chapter 4.

Filing of AMCAS application
  Earliest date: June 15, 1982
  Latest date: Dec. 1, 1982
School application fee after screening: $15
Acceptance notice to regular applicants
  Earliest date: Oct. 15, 1982
  Latest date: Aug. 22, 1983
Does have Early Decision Plan (EDP)
  EDP application period: June 15-Aug. 1, 1982
  Applicants notified by: Oct. 1, 1982
Applicant's response to acceptance offer
  Maximum time: 14 days
Deposit to hold place in class (applied to tuition): $100, due with response
Deposit refundable prior to: June 15, 1983
Estimated number of new entrants: 60
Starting date: Aug. 8, 1983

Expenses per Year for 1981-82 First-Year Class

Tuition
  Resident: $2,970
  Nonresident: $4,952
Student fees: $165
Microscope rental available from school: $150
Total average figure for all other expenses: $6,818

Information on 1981-82 First-Year Class

Number of	*In-State*	*Out-of-State*	*Total*
Applicants*	386	563	949
New Entrants†	45	3	48

*21% were interviewed.

†100% were interviewed and took the MCAT; 90% had baccalaureate degrees.

Meharry Medical College
School of Medicine

Dr. Charles W. Johnson, Dean
Dr. James U. Lowe, Associate Dean
for Administration
Ottie L. West, Director of Admissions and Records

Address inquiries to:
Director of Admissions and Records
Meharry Medical College
School of Medicine
1005 18th Avenue, North
Nashville, Tennessee 37208
(615) 327-6223

General Information. The School of Medicine of Meharry Medical College was organized in 1876.

The George W. Hubbard Hospital owned by the college is the main teaching hospital, and the current 400-bed capacity is presently being expanded to 600 beds in keeping with the general growth of the medical center.

Meharry places considerable emphasis upon maintaining a meaningful partnership with the community in delivery of health care, education, and research. It is possible to obtain the M.S. and M.D. degrees.

Curriculum. The curriculum, which is constantly under revision, consists essentially of two parts: the preclinical and the clinical years. The preclinical years commence with an integrated introduction to cell biology followed by an organ system approach to the teaching of anatomy, biochemistry, and physiology. The second year contains the traditional disciplines of microbiology, pathology, clinical pathology, pharmacology, and physical diagnosis (Introduction to Clinical Medicine); genetics and the biodynamics of human development; formal lectures in the behavioral sciences; and family and community health.

The clinical years are treated in two distinct units. The third-year students are in five 9-week blocks in internal medicine, surgery, pediatrics, obstetrics-gynecology, and psychiatry/family and community health. The fourth-year students are in three 4-week blocks in surgery, pediatrics, and radiology; two 4-week blocks in internal medicine; and three 4-week blocks of guided electives. In each block students are solely responsible to the department to which they are assigned, except for grand rounds on Wednesday mornings.

An uncommon feature of the clinical years is emphasis on special types of health care delivery through several outreach programs and facilities.

Internally and externally derived examinations are used in a variety of ways to evaluate students performance. A letter grading system (A, B, C, D, F) is used.

Requirements for Entrance. The MCAT is required. The baccalaureate degree is desirable; however, three years of college work is acceptable. Premedical work must include:

	Sem. hrs./Qtr. hrs.
General biology or zoology (with lab)	8/12
General chemistry (with lab)	8/12
Organic chemistry (with lab)	8/12
General physics (with lab)	8/12
English	6/ 9

Applicants are urged to take the MCAT in the spring of the year of application. This will permit earlier consideration of the application.

Selection Factors. Applicants are selected on a competitive basis from a standpoint of scholarship, character, personality, and general fitness to study medicine. This is done by careful evaluation of the material of every applicant—GPA, MCAT scores, and professional committee recommendations. Of special interest are the grades in the required courses listed above. Interviews are extended to applicants whose credentials are accepted by the Committee on Admissions. Although there are no strict geographical limitations, preferential consideration is given to qualified applicants from states that contract to subsidize the education of their citizens at Meharry. Special empathy is held for minority groups and disadvantaged applicants of all origins.

Early decision applicants must have their complete application on file by September 1 for consideration.

Of the 1981 entering class, 35 percent were women, and 89 percent were minority students.

Financial Aid. The college has loan funds from which financial aid may be given; loans secured bear a small amount of interest. The element of need must be demonstrated, and these funds can be applied to tuition and fees. The college also participates in the federal scholarship and loan programs.

The spouses of students may frequently find employment within the college. Teaching positions are available in the neighboring colleges and in the city schools for those with the proper qualifications.

A limited number of scholarships will be awarded each year to outstanding students who are in need of financial assistance. The director of financial aid is Charles Ray.

Information for Minorities. For over 100 years, Meharry has produced a large percentage of the minority health professionals in the United States.

Timetable of Application and Acceptance for 1983-84 First-Year Class

Filing of application
  Earliest date: May 1, 1982
  Latest date: Jan. 2, 1983
School application fee to all applicants: $15
Acceptance notice to regular applicants
  Earliest date: Nov. 1, 1982
  Latest date: June 15, 1983
Does have Early Decision Plan (EDP)
  EDP application period: May 1-Sept. 1, 1982
  Applicants notified by: Oct. 1, 1982
Applicant's response to acceptance offer
  Maximum time: 2 weeks
Deposit to hold place in class (applied to tuition): $100, due with response
Deposit refundable prior to: May 15, 1983
Estimated number of new entrants: 96
Starting date: Aug. 15, 1983

Expenses per Year for 1981-82 First-Year Class

Tuition: $6,500
Student fees: $650 (approx.)
Microscope rental available from school: $150
Total average figure for all other expenses: $6,300 (approx.)

Information on 1981-82 First-Year Class

Number of	*In-State*	*Out-of-State*	*Total*
Applicants*	216	1,834	2,050
New Entrants †	17	95	112

*75% were interviewed.

†95% were interviewed and had baccalaureate degrees; 100% took the MCAT.

The University of Tennessee Center for the Health Sciences College of Medicine

Dr. Robert L. Summitt, Dean
Dr. Hershel P. Wall, Associate Dean for Admissions
J. Timothy Mashburn, Coordinator for Admissions

Address inquiries to:
Coordinator for Admissions
The University of Tennessee
Center for the Health Sciences
College of Medicine
800 Madison Avenue
Memphis, Tennessee 38163
(901) 528-5526

General Information. The College of Medicine of the University of Tennessee began as the College of Medicine of the University of Nashville in the fall of 1851. Later, four other medical colleges by mergers and agreements became part of the university. In 1911 the College of Medicine was moved to Memphis, where the College of Dentistry, the College of Pharmacy, the School of Basic Medical Sciences, the Graduate School-Medical Sciences, and the College of Nursing are also located. These colleges and schools make up the Center for the Health Sciences of the University of Tennessee. The main undergraduate campus is located in Knoxville.

The main teaching facility is the City of Memphis Hospital with 900 beds for publicly supported as well as private patients; it is owned by a county authority. The staff is composed of the clinical faculty of the College of Medicine. Major affiliated institutions are University of Tennessee Hospital, Veterans Administration Hospital, Baptist Memorial Hospital, Le Bonheur Children's Hospital, West Tennessee Psychiatric Hospital, and Les Passees Rehabilitation Center.

Curriculum. The course of study at the University of Tennessee College of Medicine is designed to develop knowledge, skills, and attitudes appropriate to all doctors of medicine. It is sufficiently broad to allow the graduates to enter any of the several kinds of graduate training programs designed for primary care specialties, medical and surgical specialties, or research and academic pursuits.

The medical curriculum is a 45-month program divided into two major classifications: (1) biomedical science and (2) clinical clerkships and electives. The biomedical science portion of the curriculum includes during the first year traditional medical school courses such as gross anatomy, histology, embryology, biochemistry, genetics, microbiology, and health, medicine, and society. The second year includes pharmacology, neuroscience, behavioral science, pathophysiology, and introduction to clinical skills. A comprehensive examination is given at the end of each year which students are required to pass before moving to the next level of study.

The clerkship and elective portion of the curriculum consists of 20 months of required and elective experiences. In general, students proceed from the biomedical sciences portion of the curriculum to the junior year of clerkship rotations. Selected clerkships and electives may be taken at the Clinical Education Center in Chattanooga or Knoxville. Junior year clerkships include rotations in medicine, surgery, pediatrics, obstetrics-gynecology, and psychiatry. The senior year consists of the neurology clerkship, the family medicine clerkship, and six months of electives including patient management.

All students enrolled in the College of Medicine are required to pass both Part I and Part II of the NBME examinations as candidates.

Requirements for Entrance. The MCAT and three years of college are required; four years are preferred. Application for admission may be made when a student has completed 90 quarter hours (60 semester hours) of acceptable work in an accredited college. At the time of admission, the student must have completed 135 quarter hours (90 semester hours) of acceptable credit. The required courses are:

	Qtr. hrs.
Biology (with lab) Must include 4 sem./6 qtr. hrs. of zoology.	12
Inorganic chemistry (with lab)	12
Organic chemistry (with lab)	12
General physics (with lab)	12
English composition and literature	9
Electives	78

It is recommended that applicants major in the academic area of their interest. While solid preparation in basic science is essential, a broad background in the humanities is considered highly desirable.

Selection Factors. The criteria the Committee on Admissions uses in the selection process are the academic record, MCAT scores, preprofessional evaluations, and personal interviews. The required personal interviews by members of the Committee on Admissions provide the candidates with an opportunity to review their curriculum and extracurricular activities. More importantly, the interviewers gain insights into the character of the applicants as well as how they have formulated individual plans for the study and practice of medicine.

Applications are accepted from a nine-state region consisting of Tennessee and its contiguous states (Mississippi, Arkansas, Missouri, Kentucky, Virginia, North Carolina, Georgia, and Alabama). In addition, children of the University of Tennessee alumni may apply regardless of their state of residence. Since priority is given to qualified Tennesseans and children of alumni, out-of-state applicants must possess superior qualifications to be considered by the Committee on Admissions. The mean GPA of the 1981 entering class was 3.5, and the mean MCAT scores were 9 or better in each category of the test.

Financial Aid. Various loan funds and federal scholarships are available for students who have demonstrated financial need. The College Scholarship Service is utilized in the determination of need. (See Chapter 6 for details.) Information packets concerning all available financial assistance are mailed to students accepting an appointment to a class. Loans and scholarships are used in combination whenever possible. Part-time employment during the first two years is discouraged.

Information for Minorities. The University of Tennesse College of Medicine seeks applications from members of minority groups underrepresented in medicine. The Committee on Admissions evaluates nonacademic as well as academic factors in the selection process, with consideration being given to the unique backgrounds and problems of minority and disadvantaged applicants. Special academic support and retention programs are provided for students from minority and/or disadvantaged backgrounds.

Timetable of Application and Acceptance for 1983-84 First-Year Class

Filing of application
  Earliest date: anytime
  Latest date: Oct. 1, 1982
School application fee to all applicants: $25
Acceptance notice to regular applicants
  Earliest date: Oct. 15, 1982
  Latest date: April 15, 1983

Does not have Early Decision Plan
Applicant's response to acceptance offer
  Maximum time: 2 weeks
Deposit to hold place in class (applied to tuition): $100, due within 2 weeks of offer
Deposit refundable prior to: May 15, 1983
Estimated number of new entrants: 180
Starting date: Sept. 1, 1983

Expenses per Year for 1981-82 First-Year Class

Tuition
  Resident: $3,000
  Nonresident: $5,000
Student fees: $100

Microscope rental available from school: $75
Total average figure for all other expenses: $5,250

Information on 1981-82 First-Year Class

Number of	*In-State*	*Out-of-State*	*Total*
Applicants*	511	91	602
New Entrants †	195	9	204

*66% were interviewed.
†100% were interviewed and took the MCAT; 98% had baccalaureate degrees.

Vanderbilt University
School of Medicine

Dr. John E. Chapman, Dean of Medicine
Richard M. Scott, Assistant Dean of Student Services and Financial Aid

Address inquiries to:
Assistant Dean of Student Services
Vanderbilt University
School of Medicine
Nashville, Tennessee 37232
(615) 322-2145

General Information. Founded in 1873, Vanderbilt University School of Medicine is a privately endowed, nondenominational institution. The School of Medicine is situated on the main campus of the university.

Curriculum. Medical education at Vanderbilt is oriented toward promoting the maximum intellectual development of students and equipping them with the disciplined approach, knowledge, and skill required of both a physician and scientist. The curriculum provides the student with a fundamental knowledge of basic medical principles, but flexibility is stressed to allow educational development toward a chosen career emphasis. Although sufficient structure is maintained to afford adequate guidance, the curriculum offers a productive blend of required and elective courses, with the senior year a primarily elective experience.

Vanderbilt requires students to develop their full intellectual talents and places great emphasis upon acquiring a sympathetic understanding of the behavior of the human being in health and sickness. The school's educational philosophy is comprehensive, encompassing the entire span of medicine. In addition to providing a thorough basic education, the curriculum is designed to emphasize the relationship of emotional, social, and environmental factors to medical disorders.

To provide a well balanced exposure to both clinical and research experiences, Vanderbilt allows students wide latitude in their learning process and encourages self-motivation. Fellowship experience is available to selected students during the summer and elective periods. The Vanderbilt Medical Scholar Program in the Biomedical Sciences allows the student to engage in research and study in a basic discipline while pursuing studies toward the M.D. degree. For interested select students, this combined M.D.-Ph.D. program broadens the scope of training so that graduates may choose to assume positions of responsibility and leadership as investigators and medical educators. Most combined M.D.-Ph.D. students find it advisable to complete two years of medical school course work prior to entering joint M.D.-Ph.D studies at which time a better informed decision can be made regarding career emphasis and direction.

The School of Medicine is organized to ensure opportunity for excellence by providing unusual opportunities for close association with the faculty.

Requirements for Entrance. The MCAT is required. A bachelor's degree is recommended, and most successful candidates have earned the bachelor's degree by the time they enroll in the medical school. Candidates eligible to receive the degree in absentia are also given consideration. Required courses are:

	Sem. hrs.
Biology (with 4 hrs. of lab) This requirement may be completed by general biology, zoology, or zoology and botany. Not more than half may be in botany.	8
Inorganic chemistry (with 2 hrs. of lab)	8
Organic chemistry (with 2 hrs. of lab) Must cover aliphatic and aromatic compounds.	8
Physics (with 2 hrs. of lab)	8
English and composition	6

No preference is given to any one college major. Besides meeting the specific requirements, students should devote their time to strengthening their educational foundation of fundamental knowledge and broadening their cultural background.

Selection Factors. Applications are invited without limitation with regard to race, sex, creed, national origin, age, handicap, or state of residence. Women and members of ethnic minority groups are especially invited to apply. Applications are reviewed in two stages. The initial review is made from material provided through AMCAS. Competitive strength of credentials reflecting preparation for medical studies, motivation, personal qualities, and educational background, as these relate to career promise in medicine, is evaluated by the Admissions Committee and determines the recipients of final applications. Applicants receiving favorable initial review are invited to file a final application, which requires a $25 application fee, except in demonstrated circumstances of serious financial hardship. These applicants are interviewed by a faculty member or a regional representative of the committee. Accepted applicants have a GPA at a high B level.

Financial Aid. Limited scholarships, fellowships, loans, and other financial aid are available. Most scholarships, awards, and all loans are given on the basis of demonstrated financial need; others are awarded on a competitive basis of academic achievement and general excellence.

Students selected for medical study at Vanderbilt should give careful attention to financial planning and are expected to utilize their own financial resources to the fullest extent possible. Financial aid will be heavily related to available federal programs.

Information for Minorities. Vanderbilt invites applicants from a broad spectrum of student backgrounds to submit application for admission. Applications are sought from members of groups presently not adequately represented in medicine who feel a commitment to helping resolve the special problems of health care delivery to minority and underprivileged groups.

Timetable of Application and Acceptance for 1983-84 First-Year Class

School participates in AMCAS, See Chapter 4.

Filing of AMCAS application
  Earliest date: June 15, 1982
  Latest date: Nov. 1, 1982
School application fee after screening: $25
Acceptance notice to regular applicants
  Earliest date: Oct. 15, 1982
  Latest date: varies
Does have Early Decision Plan (EDP)
  EDP application period: June 15-Aug. 1, 1982
  Applicants notified by: Oct. 1, 1982
Applicant's response to acceptance offer
  Maximum time: 2 weeks
Deposit to hold place in class (applied to tuition): $50, due within 2 weeks of acceptance offer
Deposit refundable prior to: June 15, 1983
Estimated number of new entrants: 104
Starting date: Aug. 24, 1983

Expenses per Year for 1981-82 First-Year Class

Tuition: $6,100
Student fees: $282
Microscope rental required from school: $85 (included in student fees): required first and second year
Total average figure for all other expenses: $7,127

Information on 1981-82 First Year Class

Number of	*In-State*	*Out-of-State*	*Total*
Applicants*	258	5,746	6,004
New Entrants †	19	85	104

*20% were interviewed.

†100% were interviewed, took the MCAT, and had baccalaureate degrees.

Baylor College of Medicine

Dr. William T. Butler, President
Dr. Bobby R. Alford, Vice President and
Dean for Academic Affairs
Billy B. Rankin, Director of Admissions

Address inquiries to:
Director of Admissions
Office of Admissions
Baylor College of Medicine
Texas Medical Center
Houston, Texas 77030
(713) 790-4841

General Information. Baylor College of Medicine is a private institution governed by an independent Board of Trustees made up of community leaders. Baylor College of Medicine served as the academic center around which the 160-acre Texas Medical Center began developing in 1947. The Baylor faculty currently is composed of some 1,000 full-time members and another 1,780 on a part-time and voluntary basis. Facilities include teaching and research buildings and seven affiliated teaching hospitals (including private, city-county, and Veterans Administration hospitals) which together have more than 4,000 beds. The Texas Medical Center is located in a residential and park area in the southwest section of Houston.

Curriculum. The goal of the Baylor College of Medicine is to provide a firm foundation in the basic and clinical medical sciences which will enable students to pursue whatever type of professional activity they desire as physicians and upon which they may build during the remainder of their professional life. Flexibility is a key of the Baylor curriculum. The school maintains a four-year curriculum but provides: (1) the option to complete the requirements for the M.D. degree in a shorter period of time (three to three and one-half calendar years); (2) a substantial amount of time in elective courses or clerkships; (3) flexibility in planning the sequence of clinical activities; (4) an option to take basic science electives during the clinical years; and (5) the opportunity to do research or to apply for a combined M.D.-Ph.D. program. The basic sciences are taught during the course of five 8-week and two 7-week blocks. Study and vacation periods are scheduled between each of these blocks. There are 64 weeks of required clinical clerkships and 32 weeks of elective experience.

Requirements for Entrance. The MCAT is required. Applicants are strongly advised to take the MCAT in the spring of the year of application and to have their science course requirements completed at the time of application.

The baccalaureate degree is highly desirable. In recent years an average of nine students per year matriculated without a baccalaureate degree. Applicants must have satisfactorily completed a minimum of 90 semester hours (or an equivalent number of quarter hours) at a fully accredited U.S. college prior to enrollment. Courses must include:

	Years
General biology	1
Advanced biology	½
Courses such as comparative vertebrate anatomy, physiology, genetics, or histology are acceptable.	
Inorganic chemistry (with lab)	1
Organic chemistry (with lab)	1
General physics (with lab)	1
English	1

Behavioral science is strongly recommended.

Selection Factors. All applicants offered places in the class are interviewed on the Baylor College of Medicine campus. The Admissions Committee selects for interview applicants whose files are complete and who are considered to be competitive for admission. All information available is utilized in the selection process. In evaluating the applicant's academic record, attention is paid to course selections, academic challenge imposed by the student's curriculum, academic standards of the institutions attended, and the extent to which extracurricular activities and employment may have interfered with the applicant's achieving high academic performance.

Intellectual ability and academic achievement alone are not sufficient to support the development of the ideal physician. To work effectively in a profession dependent upon interpersonal relationships, physicians should possess those traits of personality and character which permit them to communicate effectively with warmth and compassion.

There are 168 students in each first-year class; approximately 70 percent are residents of Texas. Foreign students will be considered if they have completed college studies in a fully accredited U.S. college or university.

Students matriculating in 1981 had the following credentials: *mean GPA*, 3.6; *sex*, 33 percent women; *undergraduate major*, 77 percent in sciences, with the remainder from a variety of fields.

Baylor College of Medicine does not discriminate on the basis of race, sex, creed, national origin, age, or handicap.

Financial Aid. Financial need is not a factor in the selection of students. All aid is based on financial need. Aid funds are provided by private donors, the Board of Trustees, and various state and federal loan and scholarship programs. Employment for spouses and part-time employment for students is readily available. Students are encouraged to seek out all available sources of financial assistance prior to enrollment as funds are limited. Financial aid information is sent to all accepted applicants upon request. A financial aid officer is available for consultation with students and parents.

Information for Minorities. Baylor College of Medicine encourages applications from members of groups not adequately represented in medicine.

Minority students comprise a substantial portion of the student body, and there are several minority members on the Admissions Committee.

Timetable of Application and Acceptance for 1983-84 First-Year Class

Filing of application
  Earliest date: June 15, 1982
  Latest date: Nov. 1, 1982
School application fee to all applicants: $35
Acceptance notice to regular applicants
  Earliest date: Nov. 15, 1982
  Latest date: Aug. 1, 1983

Does have Early Decision Plan (EDP)
  EDP application period: June 15-Aug. 1, 1982
  Applicants notified by: Oct. 1, 1982
Applicant's response to acceptance offer
  Maximum time: 2 weeks
Deposit to hold place in class (applied to tuition): $100, due June 15, 1983; nonrefundable
Estimated number of new entrants: 168
Starting date: Aug. 1, 1983

Expenses per Year for 1981-82 First-Year Class

Tuition
  Resident: $400
  Nonresident: $6,800
Student fees: $538

Microscope rental available from school: $75 (included in student fees)
Total average figure for all other expenses: $8,546

Information on 1981-82 First-Year Class

Number of	*In-State*	*Out-of-State*	*Total*
Applicants*	1,117	1,850	2,967
New Entrants †	119	49	168

*22% were interviewed.
†100% were interviewed and took the MCAT; 98% had baccalaureate degrees.

Texas A&M University College of Medicine

Dr. Robert S. Stone, Dean
Dr. William E. Ward, Associate Dean
for Student Affairs

Address inquiries to:
Associate Dean for Student Affairs
Texas A&M University
College of Medicine
College Station, Texas 77843
(713) 845-7743

General Information. Establishment of the Texas A&M University College of Medicine was authorized by the Texas state legislature in 1971. The first class of 32 students matriculated in the fall of 1977 and graduated in June 1981.

The medical school is headquartered on the campus of the parent university, a land and sea grant institution with a student enrollment of over 35,000. A medical sciences building to house the basic science departments will be completed on the College Station campus in 1982. The major clinical facilities are located on the Temple campus at the Scott and White Clinic and Hospital, a 374-bed institution, and the Olin E. Teague Veterans' Center, with a 575-bed capacity. Faculty of the college are located on both campuses.

Curriculum. The Texas A&M University College of Medicine offers a four-year program leading to the M.D. degree. The curriculum provides a sound foundation in basic science and in clinical experience. While maintaining the commitment to primary care medicine on which the college was founded, the curriculum is designed to afford the students the body of knowledge and skills requisite to the practice of medicine and to aid them in the development of attitudes and habits that will enable the perfection and application of this education as a continuing process in their professional lives.

The first two years are taught on the Texas A&M University campus in College Station and include, besides the traditional basic science disciplines, instruction in behavioral science, humanities in medicine, and community medicine. Although the faculty is organized along disciplinary lines, courses are scheduled so as to assure a high degree of integration of subject matter across disciplines. Correlation of the basic sciences with clinical medicine is achieved from the start, with clinical correlation experiences in all courses and regularly scheduled sessions for clinical instruction and practice in both years one and two.

The third- and fourth-year clinical programs, predominantly on the Temple campus at the Scott and White Clinic and Hospital and the Olin E. Teague Veterans' Center, consist of traditional clerkships as well as a mixed rotation of ambulatory care experiences. In addition, each student spends a minimum of four weeks in an approved family medicine clerkship in a nonurban location.

Electives are available in both basic and clinical sciences. A standard letter grading system (A, B, C, F) is utilized.

Requirements for Entrance. The MCAT and 60 hours of appropriate undergraduate study are required. Students may apply during their sophomore year. Required courses are:

	Sem. hrs.
General biology (with lab)	8
Additional biology	3
Inorganic chemistry (with lab)	8
Organic chemistry (with lab)	8
General physics (with lab)	8
Calculus	3
English	6

Selection Factors. The Texas A&M University College of Medicine does not discriminate on the basis of race, sex, creed, national origin, age, or handicap. In evaluating applicants, the Committee on Admissions relies heavily on such criteria as grade averages, MCAT scores, college preprofessional committee evaluations or letters of recommendation, and physical and emotional health. Interviews of competitive candidates by members of the Committee on Admissions are held on both campuses. Personal character of the highest order is required along with strong motivation and evidence of high-level performance. Preference is given to Texas residents. Applications should be submitted no later than November 1 to the associate dean for student affairs.

Students in the 1981 entering class had a mean GPA of 3.42. Twenty-eight percent of the class members were women, and 100 percent were Texas residents.

Financial Aid. Scholarship and loan funds are available to students with financial need from local, state, and national sources. Financial needs of the applicant are not a consideration in the admission process, and after acceptance, every effort is made to assist students in meeting their financial requirements. Approximately 65 percent of the students currently in the program are receiving some form of financial aid.

Information for Minorities. The Texas A&M University College of Medicine seeks qualified applicants from those minority groups underrepresented in medicine in the United States.

Timetable of Application and Acceptance for 1983-84 First-Year Class

Filing of application
  Earliest date: June 1, 1982
  Latest date: Nov. 1, 1982
School application fee: none
Acceptance notice to regular applicants
  Earliest date: Nov. 15, 1982
  Latest date: varies

Does not have Early Decision Plan
Applicant's response to acceptance offer
  Maximum time: 2 weeks
Deposit to hold place in class: none
Estimated number of new entrants: 32
Starting date: Aug. 29, 1983

Expenses per Year for 1981-82 First-Year Class

Tuition
  Resident: $300
  Nonresident: $900
Student fees: $550

Microscope rental available from school: $45
Total average figure for all other expenses:
  $5,170

Information on 1981-82 First-Year Class

Number of	*In-State*	*Out-of-State*	*Total*
Applicants*	630	71	701
New Entrants†	32	0	32

*25% were interviewed.
†100% were interviewed and took the MCAT; 78% had baccalaureate degrees.

Texas Tech University Health Sciences Center School of Medicine

Dr. J. Ted Hartman, Interim Dean
Dr. Berry N. Squyres, Associate Dean for Admissions
Mel Crozier, Director, Student Financial Aid

Address inquiries to:
Office of Admissions
Texas Tech University
Health Sciences Center
School of Medicine
Lubbock, Texas 79430
(806) 743-2298

General Information. The Texas Tech University Health Sciences Center School of Medicine in Lubbock was authorized by the Texas legislature in 1969. The first freshman class of 36 students and an advanced standing junior class of 25 students were admitted in the fall of 1972; 100 students were matriculated in the 1980-81 and the 1981-82 freshman classes. The medical school is located on the main campus of Texas Tech University, and a new permanent facility for the School of Medicine was occupied in the fall of 1976. Two regional academic health centers, with their newly constructed permanent facilities, are located in El Paso and Amarillo, in addition to the Lubbock facility, and are utilized for the clinical training of the junior and senior students. The Permian Basin campus, headquartered in Odessa, is in the final planning stages.

Approximately 1,000 teaching beds are available for clinical instruction of medical students in affiliated teaching hospitals in the Lubbock, El Paso, Amarillo, and Big Spring metropolitan areas. The school has 244 full-time and 78 part-time faculty members. A new district teaching hospital in Lubbock was completed in February 1978.

Curriculum. The School of Medicine has adopted a four-year curriculum. The basic sciences are presented in the first four semesters, and during this time students also receive training in physical diagnosis and psychiatry. The clinical curricular requirements include clerkships in medicine, surgery, obstetrics-gynecology, pediatrics, psychiatry, and family practice; a four-week family practice preceptorship; and 20 weeks of electives. The students participate in a tutorial team instructional program. This program emphasizes subjects not included in the curriculum, provides for educational and personal counseling, and furnishes an informal setting for student-faculty interaction.

Students are graded on a numerical system and must maintain a weighted numerical average of 75 for promotion and graduation.

Requirements for Entrance. The MCAT, taken within two years before application, and three years of study (90 credit hours) in an accredited college or university are required. The required courses are:

	Years
Biology (with lab)	1
Inorganic chemistry (with lab)	1
Organic chemistry (with lab)	1
Physics (with lab)	1

It is recommended that the student have a basic course in calculus, advanced courses in the biological sciences, and as broad a base as possible in the social sciences and humanities. Facility with verbal and written expression is essential. In addition, a reasonable working knowledge of conversational Spanish is recommended. Students lacking Spanish language training will be required to achieve first-year college Spanish proficiency prior to the required medical Spanish course given in the second year.

Selection Factors. Application forms and procedural information may be obtained directly from the Office of Admissions.

Applicants are carefully evaluated with regard to their potential for pursuing a curriculum leading to the doctor of medicine degree. Academic achievement, motivation, and other personal characteristics constitute the major areas of evaluation. This information is derived from past academic performance, MCAT scores, letters of recommendation, and personal interviews. Interviews are conducted only at the Lubbock campus and only upon invitation by the Admissions Council.

Students in the 1981 entering class had the following credentials: *mean GPA*, 3.35; *sex*, 22 percent women; *minorities*, 17 percent; *undergraduate major*, 88 percent in science, with the remainder from a variety of nonscience fields; *residence*, 100 percent Texas residents.

Texas Tech University Health Sciences Center School of Medicine actively seeks qualified applicants from minority citizens and does not discriminate on the basis of race, sex, creed, national origin, age, or handicap.

Financial Aid. Financial assistance is provided to all students who have documented financial need. The medical school participates in all federal and state programs currently applicable to medical students. Approximately 65 percent of the student body obtain financial assistance. Applications for financial assistance are processed after an applicant has been accepted. Employment other than during the summer is discouraged.

Timetable of Application and Acceptance for 1983-84 First-Year Class

Filing of application
  Earliest date: April 15, 1982
  Latest date: Nov. 1, 1982
School application fee to all applicants: $30
Acceptance notice to regular applicants
  Earliest date: Jan. 15, 1983
  Latest date: when class is filled
Does have Early Decision Plan (EDP)
  For Texas residents only
  EDP application period: April 15-Aug. 1, 1982
  Applicants notified by: Oct 1, 1982

Applicant's response to acceptance offer
  Maximum time: 2 weeks
Deposit to hold place in class (applied to tuition): $100, due with response; refundable if student does not matriculate
Estimated number of new entrants: 100
Starting date: Aug. 8, 1983 (approx.)

Expenses per Year for 1981-82 First-Year Class

Tuition
  Resident: $300
  Nonresident: not applicable
Student fees: $294

Microscope rental available from school: $75
Total average figure for all other expenses: $6,383

Information on 1981-82 First-Year Class

Number of	*In-State*	*Out-of-State*	*Total*
Applicants*	899	383	1,282
New Entrants†	100	0	100

*22.6% were interviewed.
†100% were interviewed and took the MCAT; 90% had baccalaureate degrees.

The University of Texas Southwestern Medical School at Dallas

Dr. Kern Wildenthal, Dean
Dr. Bryan Williams, Associate Dean for Student Affairs
J. Wesley Norred, Director of Student Affairs
and Registrar

Address inquiries to:
Office of Student Affairs
The University of Texas
Health Science Center at Dallas
5323 Harry Hines Boulevard
Dallas, Texas 75235
(214) 688-3606

General Information. Southwestern Medical School is a part of the University of Texas Health Science Center at Dallas, which also includes the Graduate School of Biomedical Sciences and the School of Allied Health Sciences. The purpose of the program at Southwestern is to produce physicians who will be inspired to maintain lifelong medical scholarship and who will apply the knowledge gained in a responsible and sympathetic way to the care of patients.

The faculty and staff are keenly aware of the responsibility of the institution to serve the people not only in producing physicians of excellence and humanity but also in acquiring new knowledge.

Curriculum. Southwestern Medical School has maintained a classical four-year curriculum based on departmental as well as interdisciplinary teaching. The purpose of the first two years is to provide a strong background in the basic sciences as well as an introduction to clinical medicine.

The first-year curriculum is designed to begin the study of the normal human body and its processes at the molecular and cellular levels. Biochemistry, cell biology, and genetics and development are presented concurrently for the first portion of the year, building together the concepts of macromolecular and cellular interactions within tissues. The student then begins the study of human anatomy and immunology. The spring term is composed of a course in physiology presented in conjunction with an interdisciplinary course in neurosciences. At the completion of the first year, a vertical course in human reproduction and endrocrinology provides an overall synthesis, based on the course work that has gone before.

The second year begins a study of disease processes and provides a beginning insight into how man may interfere with those processes therapeutically. The material is presented in a block fashion similar to that of the freshman year. The year begins with microbiology and concludes with pharmacology. Extending throughout most of the years are pathology and introduction to diseases, which serve to correlate the basic sciences with clinical medicine. Contact with patients begins early in the second year with history-taking and physical examination as well as visits to outpatient clinics. The basic concepts of psychiatry are presented over the first two years in a series of conferences and lectures.

The third and fourth years provide intense clinical experiences involving the student in direct patient care. The junior year is comprised of six eight-week blocks with instruction as follows: one block each for pediatrics, surgery, and obstetrics-gynecology; two blocks for internal medicine; one-half block for psychiatry; and one-half block off. The fourth year provides a series of one-month clerical clerkships; a required month of neurology; one-month selectives in internal medicine, surgery, and obstetrics-gynecology; and four months of electives.

Requirements for Entrance. The MCAT and three years (90 hours) of accredited college work are required. Minimum course requirements are:

	Years
Biology One year must include lab.	2
Inorganic chemistry (with lab)	1
Organic chemistry (with lab)	1
Physics (with lab)	1
Calculus	½
English	1

Although some students with only 90 hours credit are admitted each year, preference is given to applicants who have earned the B.S. or B.A. degree.

Sound preparation in basic science is essential, but a broad background in the humanities and an understanding of people and their problems are equally necessary. Applicants are urged to take the MCAT in the spring and to complete required course work before applying if possible. An average of C must be maintained in each required subject.

It should be noted that application forms and procedural information should be obtained from the University of Texas System Medical and Dental Application Center listed below.

Selection Factors. Applicants are selected on the basis of demonstrated intellectual ability as evidenced by the academic record, performance on the MCAT, evaluation by the faculty of the undergraduate institution attended (preprofessional committee evaluation when available), and letters of recommendation when they reflect experience in the health or scientific fields. Ninety percent of the class must be residents of Texas by state law. Those nonresident applicants who are accepted must have superior credentials and recommendations.

Early application is strongly advised. A personal on-campus interview is required. Invitations for interviews are extended from early September until mid-December.

Financial Aid. Most of the financial aid available is obtained through federal and state programs. A limited number of scholarships from private sources are available. To date, no student has discontinued school for financial reasons.

Information for Minorities. The Admissions Committee at Southwestern Medical School recognizes the need for increased numbers of physicians from racial minorities and encourages applications from Texas residents who are members of these groups.

Timetable of Application and Acceptance for 1983-84 First-Year Class

- Application must be made through The University of Texas System Medical and Dental Application Center, Suite 712, 201 West 7th Street, Austin, Texas 78701
- Filing of application
  - Earliest date: April 15, 1982
  - Latest date: Oct. 15, 1982
- School application fee: none
- Application Center fees
  - Resident: $35 for application to one school plus $5 for each additional school applied to in The University of Texas System
  - Nonresident: $70 for application to one school plus $10 for each additional school applied to in The University of Texas System
- Acceptance notice to regular applicants
  - Earliest date: Jan. 15, 1983
  - Latest date: varies
- Does not have Early Decision Plan
- Applicant's response to acceptance offer
  - Maximum time: 2 weeks
- Deposit to hold place in class: none
- Estimated number of new entrants: 208
- Starting date: Aug. 30, 1983 (approx.)

Expenses per Year for 1981-82 First-Year Class

- Tuition
  - Resident: $300
  - Nonresident: $900
- Student fees: $187 (excluding health insurance)
- Microscope rental available from school: $100
- Total average figure for all other expenses: $8,435

Information on 1981-82 First-Year Class

Number of	*In-State*	*Out-of-State*	*Total*
Applicants*	1,660	614	2,274
New Entrants †	189	18	207

*30% were interviewed.

†100% were interviewed and took the MCAT; 95% had baccalaureate degrees.

The University of Texas Medical School at Galveston

Dr. William C. Levin, President
Dr. George T. Bryan, Dean
Gene Powell, Director of Admissions
and Student Personnel Services

Address inquiries to:
Director of Admissions and
Student Personnel Services
Suite 120
Thompson Basic Science Building
The University of Texas Medical Branch
Galveston, Texas 77550
(713) 765-1216

General Information. The University of Texas Medical Branch at Galveston was established in 1881 and graduated its first class in 1892. It is a state owned medical center with the Medical Branch hospitals under direct supervision and administrative control of the staff. Medical Branch hospitals have over 1,200 hospital beds located on the immediate campus. The Shriners Burn Institute also serves as a teaching and research facility as does the Marine Biomedical Institute.

Curriculum. The medical curriculum is an integrated program which begins clinical training immediately upon matriculation. The curriculum is divided into the basic science core and clinical medicine. The basic science core is divided into four 16-week terms and completed with 10 weeks of introduction to clinical medicine. Clinical medicine is divided into 52 weeks of required core experience (clerkships) and 36 weeks of elective experience. Each student is assigned a faculty adviser to assist in developing individualized experience in clinical medicine. Electives may be interspersed throughout the two years of clinical medicine. Electives may be taken either on campus or at other institutions with approval of the faculty adviser. The elective experiences are totally flexible and can be designed to meet individual career goals. Students who meet specific qualifications are permitted to graduate after three years of training, with graduation taking place in August.

Requirements for Entrance. The MCAT and an absolute minimum of 90 semester hours of college work including specific courses are required; the baccalaureate degree is highly desirable.

Applicants are encouraged to take the MCAT in the spring of the year of application. Applications from students who delay taking the MCAT until the spring of the year of anticipated matriculation will not be considered. It is recommended that applicants complete the required courses and/or take the MCAT by the time they submit an application.

The required courses are:

	Years
Biology	2
One year must include lab.	
Inorganic chemistry (with lab)	1
Organic chemistry (with lab)	1
General physics (with lab)	1
Calculus	½
English	1

Science courses should be equivalent to course work as required for college science majors.

A broad background in the humanities is recommended.

Selection Factors. Applicants are chosen on the basis of intellect, achievement, character, and motivation. In evaluating candidates, consideration is given to the total academic record, the results of aptitude and achievement tests, college preprofessional committee evaluations, and the personal interview. Only those applicants whose personal qualifications, academic records, aptitude and achievement test scores, and preprofessional evaluations are considered sufficiently competitive are invited for personal interviews. Only U.S. citizens or applicants with permanent visas in process of obtaining citizenship are considered. Preference is given to legal residents of Texas. Nonresidents are not encouraged to apply unless their qualifications are highly competitive.

Accepted applicants for the 1981 entering class had the following credentials: *average GPA*, 3.51; *residence*, 91 percent from Texas; *undergraduate major*, 47 percent in biological sciences, 29 percent in other natural sciences, 24 percent in nonsciences.

Financial Aid. Long-term, low interest loans and short-term loans of varying interest rates are available to students with financial need. A limited number of scholarships are available to minority students with financial need. A few scholarships are awarded solely on the basis of achievement in the medical curriculum by the Faculty Awards Committee. Approximately 65 percent of the enrolled students receive university loans and/or scholarships. No one who is accepted will have to discontinue medical studies because of personal financial needs.

Applications for financial assistance are provided to students who have been accepted for admission and have indicated that they will attend the University of Texas Medical Branch at Galveston. There are no fixed deadlines. Inquiries must be made by communicating with Dr. Robert Clark, director of student financial aid programs.

Information for Minorities. The University of Texas Medical Branch at Galveston is committed to increasing the number of minority students in medicine; to that end, active efforts are made to identify and encourage enrollment of qualified minority students. Each minority applicant is carefully reviewed by experienced members of the Committee on Admissions with particular emphasis on the applicant's potential. Both cognitive and noncognitive qualifications are considered. Following admission, a broad range of support services are available to assist students in completing the medical curriculum. There are no quotas, and all applicants are considered on the basis of individual achievement and promise. The University of Texas Medical Branch does not discriminate on the basis of race, sex, creed, national origin, age, or handicap.

Timetable of Application and Acceptance for 1983-84 First-Year Class

Application must be made through The University of Texas System Medical and Dental Application Center, Suite 712, 201 West 7th Street, Austin, Texas 78701
Filing of application
  Earliest date: April 15, 1982
  Latest date: Oct. 15, 1982
School application fee: none
Application Center fees
  Resident: $35 for application to one school plus $5 for each additional school applied to in The University of Texas System
  Nonresident: $70 for application to one school plus $10 for each additional school applied to in The University of Texas System
Acceptance notice to regular applicants
  Earliest date: Jan. 15, 1983
  Latest date: when class is filled
Does not have Early Decision Plan
Applicant's response to acceptance offer
  Maximum time: 2 weeks
Deposit to hold place in class: none
Estimated number of new entrants: 203
Starting date: Aug. 1983

Expenses per Year for 1981-82 First-Year Class

Tuition
  Resident: $400
  Nonresident: $1,200
Student fees: $421
Microscope rental available from school: $30
Total average figure for all other expenses: $6,000

Information on 1981-82 First-Year Class

Number of	*In-State*	*Out-of-State*	*Total*
Applicants*	1,488	650	2,138
New Entrants †	185	18	203

*48% were interviewed.

†100% were interviewed and took the MCAT; 96.5% had baccalaureate degrees.

The University of Texas Medical School at Houston

Dr. Ernst Knobil, Dean
Dr. Albert E. Gunn, Assistant Dean for Admissions
Betty Murphy, Registrar

Address inquiries to:
Office of Admissions
The University of Texas
Medical School at Houston
P.O. Box 20708
Houston, Texas 77025
(713) 792-4711

General Information. The University of Texas Medical School at Houston was authorized in May 1969 by the Texas legislature. The medical school is part of the University of Texas System and is the fourth medical school to begin operations under that system.

The medical school is located in the Texas Medical Center in Houston in order to take advantage of the many other medical institutions in the area. The major teaching hospital is Hermann Hospital, a 870-bed general medical and surgical hospital owned and operated by the trustees of the Hermann estate. Other affiliated hospitals include M. D. Anderson Hospital, and Tumor Institute, St. Joseph Hospital, Memorial Hospital, Shriners Hospital, St. Anthony Center, and San Jose Clinic.

Curriculum. In September 1977 a four-year educational program was begun, consisting of 12 instructional quarters. Two months of vacation time are provided for first-year students between the first and second academic years. The first six quarters are devoted to preparing the student for the specific clerkship experiences that comprise the seventh, eighth, and ninth quarters. During the first six quarters the student becomes familiar with the basic and applied biomedical sciences. As the student progresses from a study of the morphology of the human body and the fundamentals of molecular and cellular biology to that of the normal and abnormal structure and function of the various organ systems, the techniques of interviewing, history-taking, and performance of physical and mental status examinations are introduced. Appropriate material from the behavioral and social sciences is presented concomitantly, as are opportunities to become familiar with the realities and problems of human medicine and family practice.

After completion of this educational sequence, the student progresses through a series of clinical clerkships in the major clinical disciplines for the next three quarters. In the remaining three quarters, there are two months of required clerkships and seven periods of electives. In consultation with faculty, each student devises an educational sequence that relates specifically to ultimate career goals and postgraduate educational plans. An honors/pass/fail system of evaluation is used. Students are required to pass Part I of the NBME examinations.

Requirements for Entrance. The MCAT and 90 semester hours of college are required. A baccalaureate degree is highly desirable. Required courses include:

	Years
Biology	2
. One year must include lab.	
Inorganic chemistry (with lab)	1
Organic chemistry (with lab)	1
Physics (with lab)	1
Calculus	½
English	1

While the applicant should demonstrate aptitude for and achievement in the basic sciences, it is strongly urged that an in-depth experience in some area of the humanities be obtained.

Applicants should take the MCAT in the spring of the year.

Selection Factors. Applicants are selected on the basis of academic ability and personal qualifications. Consideration is given to the overall academic record, MCAT scores, preprofessional committee evaluations, and personal interviews in evaluating candidates. Significant attention is given to evidence of leadership roles, potentially unique contributions to the medical profession, and achievement in a nonacademic field of activity. Preference is given to Texas residents. The University of Texas Medical School at Houston does not discriminate on the basis of race, sex, creed, national origin, age, or handicap.

Accepted students for the 1981 entering class had the following credentials: *mean GPA*, 3.45; *sex*, 35.3 percent women; *resi-*

dence, 90 percent from Texas; *undergraduate major*, 43 percent in biology or chemistry.

Financial Aid. Scholarship and loan funds are available to students with financial need from local, state, federal, and national sources. Financial independence is not a criterion for admission as indicated by the fact that 60 percent of the students presently enrolled have received financial aid.

Timetable of Application and Acceptance for 1983-84 First-Year Class

Application must be made through The University of Texas System Medical and Dental Application Center, Suite 712, 201 West 7th Street, Austin, Texas 78701
Filing of application
  Earliest date: April 15, 1982
  Latest date: Oct. 15, 1982
School application fee: none
Application Center fees
  Resident: $35 for application to one school plus $5 for each additional school applied to in The University of Texas System
  Nonresident: $70 for application to one school plus $10 for each additional school applied to in The University of Texas System
Acceptance notice to regular applicants
  Earliest date: Jan. 15, 1983
  Latest date: Feb. 15, 1983, or later
Does not have Early Decision Plan
Applicant's response to acceptance offer
  Maximum time: 2 weeks
Deposit to hold place in class: none
Estimated number of new entrants: 200
Starting date: Sept. 6, 1983

Expenses per Year for 1981-82 First-Year Class

Tuition
  Resident: $300
  Nonresident: $900
Student fees: $180 (approx.)
Microscope rental available from school: $50
Total average figure for all other expenses: $7,018

Information on 1981-82 First-Year Class

Number of	*In-State*	*Out-of-State*	*Total*
Applicants*	1,696	502	2,198
New Entrants†	184	18	202

*40% were interviewed.
†100% were interviewed and took the MCAT; 96% had baccalaureate degrees.

The University of Texas Medical School at San Antonio

Dr. Frank Harrison, President
Dr. Marvin R. Dunn, Dean
Dr. Carlos Pestana, Associate Dean for Student Affairs

Address inquiries to:
Mrs. Betty M. Compton
Registrar
The University of Texas
Health Science Center at San Antonio
7703 Floyd Curl Drive
San Antonio, Texas 78284
(512) 691-6906

General Information. The University of Texas Medical School at San Antonio was created by the Texas legislature in 1959 as a four-year school of medicine. In late 1972 the Medical School and its fellow institutions, the Dental School and the Graduate School of Biomedical Sciences, were designated the University of Texas Health Science Center at San Antonio. Since the first graduating class in June 1970, a total of 1,195 doctor of medicine degrees have been conferred. Clinical instruction is carried out at the Medical Center Hospital, Robert B. Green Memorial Hospital, Audie Murphy Veterans Hospital, and affiliate hospitals which include Wilford Hall USAF Hospital, Brooke Army Hospital, the Aerospace Medical Division of the USAF, Baptist Memorial Hospital System, and Santa Rosa Medical Center.

Curriculum. A four-year curriculum is offered. The first year consists of nearly 1,000 contact hours, which are devoted primarily to the traditional basic sciences. The first year also includes a course in physical diagnosis and a course dealing with the psychosocial dimensions of health care. The second academic year contains about 800 contact hours, of which over one-third are devoted to the basic sciences of pathology and pharmacology. The remaining hours in the second year are devoted to introductory clinical topics in the areas of medicine, surgery, obstetrics and gynecology, pediatrics, and psychiatry. The third academic year is spent entirely in the clinical setting in seven consecutive assignments of seven weeks each in medicine, the medical specialties, surgery, the surgical specialties, obstetrics and gynecology, psychiatry, and pediatrics. The senior year includes a clinical experience in ambulatory care, with the rest of the academic year consisting of elective courses. Some time is also available to the students for interviews for postgraduate training or as a vacation. A letter grading system is used.

Requirements for Entrance. The MCAT and the equivalent of three academic years (90 semester hours) are required for admission. Courses specifically required (with a grade of C or better) are:

	Years
Biology	2
One year must include lab.	
Inorganic chemistry (with lab)	1
Organic chemistry (with lab)	1
General physics (with lab)	1
Calculus	½
English	1

Science courses should be equivalent to course work as required for college science majors.

Candidates are desired who have a broad humanities background.

Selection Factors. The great disparity between the number of applicants and the spaces available makes admission extremely competitive. Ranking of applicants is done with consideration for GPA, MCAT scores, evaluation by premedical advisers, the candidates' potential relative to society's health care needs, and judgment by the Committee on Admissions of the candidate's academic achievements not reflected by grades, nonacademic achievements, and integrity, maturity, and motivation. These factors are rated in a uniform manner for all applicants and weighted according to a formula which is made known to all those who are interested. No person shall be excluded from participation in, denied the benefits of, or subject to discrimination under any program or activity sponsored or conducted by the University of Texas System on the basis of age, race, national origin, religion, or sex. Although legal residents of Texas are preferred, up to 10 percent of entrants may be nonresidents if their credentials are especially outstanding.

Accepted students for the 1981 entering class had the following credentials: *mean GPA*, 3.56; *sex*, 32 percent women; *resi-*

dence, 4 percent nonresidents; *overall acceptance rate,* 274 acceptances were offered to obtain a class of 202 first-year students.

Application forms and any procedural information should be obtained from the University of Texas System Medical and Dental Application Center listed below. This center processes all applications to each medical school in the University of Texas System.

Questions related to completeness of an application or other information should be directed to the Office of Student Services at the Health Science Center.

Financial Aid. Financial assistance for students in need is available in the form of loans and a limited number of scholarships. Student employment, though not encouraged, is permissible provided a satisfactory level of achievement is maintained. Part-time student employment opportunities are available in the Health Science Center as well as in the hospitals located in close proximity. Financial considerations do not influence admission decisions, although the school recognizes that many families are unable to bear the full cost of medical education. Accepted applicants can obtain complete information regarding financial assistance from the financial aid administrator in the Office of Student Services.

Information for Disadvantaged Applicants. The coordinator of special programs in the Office of Student Services is responsible for affirmative action programs as they relate to students in the Health Science Center. In addition to assisting with programs related to student retention, the coordinator is also responsible for implementation of long-range programs to motivate disadvantaged students to select a health profession.

In the consideration and selection of disadvantaged applicants, preference is given to residents of Texas. Specific information is available from the coordinator of special programs in the Office of Student Services.

Timetable of Application and Acceptance for 1983-84 First-Year Class

Application must be made through The University of Texas System Medical and Dental Application Center, Suite 712, 201 West 7th Street, Austin, Texas 78701
Filing of application
  Earliest date: April 15, 1982
  Latest date: Oct. 15, 1982
School application fee: none
Application Center fees
  Resident: $35 for application to one school plus $5 for each additional school applied to in The University of Texas System
  Nonresident: $70 for application to one school plus $10 for each additional school applied to in The University of Texas System
Acceptance notice to regular applicants
  Earliest date: Jan. 15, 1983
  Latest date: class registration date
Does not have Early Decision Plan
Applicant's response to acceptance offer
  Maximum time: 2 weeks
Deposit to hold place in class: none
Estimated number of new entrants: 202
Starting date: Aug. 1, 1983

Expenses per Year for 1981-82 First-Year Class

Tuition
  Resident: $300
  Nonresident: $900
Student fees: $131
Microscope rental available from school: $60
Total average figure for all other expenses: $8,393

Information on 1981-82 First-Year Class

Number of	*In-State*	*Out-of-State*	*Total*
Applicants*	1,670	427	2,097
New Entrants†	193	9	202

*41% were interviewed.
†100% were interviewed and took the MCAT; 92% had baccalaureate degrees.

University of Utah
School of Medicine

Dr. G. Richard Lee, Dean
Dr. Hiroshi Kuida, Assistant Dean, Admissions
Jane J. Hunt, Director, Student Administration

Address inquiries to:
Admissions Office
University of Utah
School of Medicine
50 North Medical Drive
Salt Lake City, Utah 84132
(801) 581-7498

General Information. The School of Medicine, founded as a two-year school in 1905, was expanded to a four-year program in 1943. It is one of the 17 colleges of the University of Utah and is an integral part of the parent institution.

The medical complex houses the School of Medicine administrative offices, departmental and staff offices, classrooms, and laboratory and clinical areas. The University Hospital, Rehabilitation Center, and Radiology Laboratories contribute to the center's diversity and completeness.

Curriculum. The undergraduate medical curriculum has been designed to offer a mixture of required, selective, and elective courses. This mixture allows each student to acquire a basic knowledge while being able to pursue individual interests. The first two years offer basic sciences, physical diagnosis, organ system teaching, and a wide choice of electives. Five clerkships are required during the third year, and the fourth year consists entirely of electives.

Students are graded on a pass/fail system, and opportunities for honor classes are provided as well as increasing opportunities for independent study. There is student representation on the Curriculum Committee. Students receive guidance and assistance from active and involved offices of student affairs and minority affairs.

Requirements for Entrance. The MCAT is required. The Committee on Admissions is anxious to admit students with a broad perspective of life. The college believes that the true physician not only is skilled in medicine and the allied sciences but also is a person of culture and broad intelligence.

The applicant must have subject matter competence in the following courses:

	Years
Chemistry (with lab)	2
Must include inorganic and organic chemistry with lab and course work in qualitative and quantitative analysis.	
General physics (with lab)	1
Must include heat, light, electricity, and magnetism.	
English and/or basic communication	1

College level work in biology, humanities, and the social sciences is required.

CLEP or advanced placement credit will not be accepted for completion of required course work.

Ordinarily the completion of four years of college work is desirable before entrance into medical school, but occasionally the committee considers an applicant with unusual experience which might have provided cultural maturity.

Selection Factors. Students are considered on the basis of scholarship, evaluation by premedical instructors, personality, and motivation. The School of Medicine is state supported and is encouraged to admit 75 percent Utah residents. The school also feels a measure of responsibility toward the other intermountain states without medical schools and is a member of the WICHE program. Thus, the competition for the few remaining positions is very great. Nonresident applicants (excluding those who apply under the affirmative action program for underrepresented minority and economically disadvantaged students) are required to apply through the Early Decision Plan. There is no discrimination because of race, creed, or sex, and the selection process is conducted by the same committee for all applicants.

Applications should be filed no later than November 1 through AMCAS. The Admissions Office will notify eligible candidates concerning interview appointments when desired. Final selections are made by vote of the entire committee.

No more than four consecutive applications will be accepted from any one candidate.

Financial Aid. A very limited number of scholarships are awarded each year. Some loan funds are available to students on a long-term, low interest basis. All awards are based on the student's need as determined by the university Financial Aids Office.

Because of fluctuation in federal support for financial aid programs, it is difficult to determine how much aid the school will be able to continue to give. It should be stressed, therefore, that most students will need to find outside resources for the majority of their financial support. It is necessary for applicants to plan their financial program as carefully as their academic program.

Information for Minorities. Applications are encouraged from blacks, Chicanos, native Americans, and other disadvantaged students. The school recognizes the shortage of physicians from these groups and is committed to accept qualified applicants. The formal admissions policy takes into consideration academic (GPA and MCAT scores) and nonacademic (motivation, personality, and background) factors. Traditional parameters do not always provide a fair assessment of nontraditional students. The school uses a group of variables developed by the Association of American Medical Colleges to evaluate interviewed applicants. Likelihood of successful completion of the medical curriculum will remain a principal consideration.

Once admitted, those whose academic preparation is marginal are recommended to take appropriate supplemental course work, which may include a special basic sciences enrichment course in the summer prior to the regular medical school curriculum. Academic support programs are available in order to give students a maximum opportunity to succeed in their academic work and professional training. The school will also provide as much financial aid as possible through loans and grants. In addition, the Office of Minority Affairs is available to counsel and assist students with the NBME examinations and to acquaint them with the community.

Timetable of Application and Acceptance for 1983-84 First-Year Class

School participates in AMCAS. See Chapter 4.

Filing of AMCAS application
  Earliest date: June 15, 1982
  Latest date: Oct. 15, 1982
School application fee after screening: $25
Acceptance notice to regular applicants
  Earliest date: Nov. 15, 1982
  Latest date: March 15, 1983
Does have Early Decision Plan (EDP)
  Nonresidents must apply under EDP
  EDP application period: June 15-Aug. 1, 1982
  Applicants notified by: Oct. 1, 1982
Applicant's response to acceptance offer
  Maximum time: 2 weeks
Deposit to hold place in class (applied to tuition): $100, due with response
Deposit refundable prior to: June 15, 1983
Estimated number of new entrants: 100
Starting date: Sept. 27, 1983

Expenses per Year for 1981-82 First-Year Class

Tuition
  Resident: $2,499
  Nonresident: $5,082
Student fees: $150
Microscope rental available from school: $45
Total average figure for all other expenses: $6,400

Information on 1981-82 First-Year Class

Number of	*In-State*	*Out-of-State*	*Total*
Applicants*	275	375	650
New Entrants †	78	22	100

*49% were interviewed.
†100% were interviewed and took the MCAT; 98% had baccalaureate degrees.

University of Vermont College of Medicine

Dr. William H. Luginbuhl, Dean
Dr. Carol F. Phillips, Associate Dean for Admissions
James H. Bates, Executive Assistant to the Dean

Address inquiries to:
Admissions Office
University of Vermont
College of Medicine
Burlington, Vermont 05405
(802) 656-2154

General Information. The University of Vermont College of Medicine is a part of the Division of Health Sciences, which also includes the schools of nursing and allied health sciences. The medical center in Burlington includes the College of Medicine, the Medical Center Hospital of Vermont, and the Nursing and Allied Health Sciences Buildings.

The College of Medicine recognizes the current need for family practitioners, clinical specialists, and teacher-investigators. It has geared its curriculum to foster concern for this need and to encourage students to move toward one of these areas after receiving a general grounding in the basic sciences and medical practice.

Curriculum. The process of education and the future performance of graduates as practicing physicians or researchers are the primary concerns of the college.

The four-year curriculum is divided into three phases. The first phase consists of approximately one and one-half years of instruction in the basic sciences. The basic clerkship, which prepares the student for the study of medicine by the study of patients, is presented throughout this portion of the curriculum. The second phase, 12 months in length, is devoted to the clinical sciences of medicine. These two segments are designed to provide all students with the minimum knowledge and skills to be expected of a primary physician. The final phase of the curriculum, the Senior Major Program, extends through the final one and one-half years prior to graduation and is divided into 16 rotations of one month each. This program enables students to select that course of study best suited to their career objectives. Generally, eight to ten months of this final period are free for electives at the Medical Center, elsewhere in the United States, or abroad.

The honors/pass/fail method of grading is utilized, coupled with individual evaluations of a student's performance during and at the termination of courses and clinical rotations.

Requirements for Entrance. The MCAT is required. Applicants must have completed at least three years of undergraduate study; the baccalaureate degree is highly desirable. In order to ensure serious consideration, applicants are urged to take the MCAT in the spring of the year of application and to have their basic premedical requirements completed at the time of application. The undergraduate program must include the following course work:

	Years
Biology (with lab)	1
General chemistry (with lab)	1
Organic chemistry (with lab)	1
General physics (with lab)	1

Recommended courses: at least one and preferably two years of English composition and/or literature; mathematics, including at least an introduction to calculus, dependent upon secondary school preparation; one or two years of behavioral sciences in the areas of psychology, sociology, or anthropology; and at least two years of course work in history, philosophy, religion, or the arts.

While the college seeks students with diverse collegiate backgrounds, it insists that the grades in their major demonstrate intellectual drive and discipline, curiosity, and independent thinking.

Selection Factors. The college is deliberately seeking to attract a heterogeneous student body. But above all, the Committee on Admissions looks for evidence of the promise of excellence accompanied by genuine concern for and interest in the welfare of others. There is no discrimination on the basis of race, sex, religion, age, handicap, or national origin.

Selection of a student for admission is based upon the past pattern of academic performance; the applicant's fitness for the study and practice of medicine in terms of aptitude, interests, motivation, attitudes, and maturity as determined by information from undergraduate faculty; and a personal interview. The interview is given considerable weight and is required of all applicants seriously considered for admission. Interviews are by invitation and only given in Burlington.

Preference for admission is given in the following order: qualified residents of Vermont, qualified residents of states which have contractual arrangements with the university (currently Maine, Rhode Island, and New York), and qualified residents of other states. The number of spaces available for this latter group is limited. Members of minority groups are encouraged to apply for admission.

The 1981 entering class had the following characteristics: *mean GPA*, 3.37; *sex*, 30 percent female; *residence*, 39 from Vermont, 15 from Maine, 8 from Rhode Island, 21 from New York, 10 from other states; *undergraduate major*, 65 percent in the natural or biological sciences; *overall acceptance rate*, of the 2,651 applicants, 324 were interviewed and 147 were offered acceptances to obtain the class of 93.

Because of the November 1 deadline, early application is recommended.

Financial Aid. The college's financial aid funds are limited, but they will be distributed equitably and according to relative need. Entering students are considered for award on the same basis as those already enrolled. An applicant's financial status has no bearing on admission determination. A limited amount of scholarship money has been set aside specifically for minority group students. Student employment during the academic year is discouraged. The application fee will be waived if requested and if AMCAS has approved a fee waiver.

Timetable of Application and Acceptance for 1983-84 First-Year Class

School participates in AMCAS. See Chapter 4.

Filing of AMCAS application
  Earliest date: June 15, 1982
  Latest date: Nov. 1, 1982
School application fee after screening: $25
Acceptance notice to regular applicants
  Earliest date: late Dec. 1982
  Latest date: varies
Does not have Early Decision Plan

Applicant's response to acceptance offer
  Maximum time: 2 weeks
Deposit to hold place in class (applied to tuition): $100, due with response
Deposit refundable prior to: June 15, 1983
Estimated number of new entrants: 93
Starting date: Sept. 1983

Expenses per Year for 1981-82 First-Year Class

Tuition
  Resident: $4,613
  Maine and Rhode Island: $7,543
  New York: $8,600
  Other states: $12,500

Student fees: $150
Microscope rental available from school: $100
Total average figure for all other expenses: $5,510

Information on 1981-82 First-Year Class

Number of	*In-State*	*Out-of-State*	*Total*
Applicants*	92	2,559	2,651
New Entrants †	39	54‡	93

*12.2% were interviewed.

†100% were interviewed and took the MCAT; 98% had baccalaureate degrees.

‡Of this total, 44 students were from Maine, New York, and Rhode Island.

Eastern Virginia Medical School

Dr. Ashton B. Morrison, Dean
Dr. Michael J. Dimino, Assistant Dean for Admissions
Mary L. Parks, Registrar/Financial Aid Officer

Address inquiries to:
Office of Admissions
Eastern Virginia Medical School
700 Olney Road
P.O. Box 1980
Norfolk, Virginia 23501
(804) 446-5812

General Information. The Eastern Virginia Medical School (EVMS) is a community based institution established in response to the desire of the Tidewater community to improve the quality of health care and to extend the benefits of an academic health science center throughout the eastern area of Virginia. While the role of the physician in providing primary care is emphasized through the exposure of students to multiple community medical and health care facilities, interest in medical research and academic medicine is also encouraged.

Curriculum. While still offering a three-year curriculum to 48 incoming students in 1983, EVMS also will matriculate its first class of 48 students in a four-year curriculum. During the first half of both curricula, the basic sciences are presented as a basis for the practice of medicine. The ability to solve problems in medicine will be nurtured through clinical correlations that utilize basic and clinical scientists and through small group problem-solving conferences. Students receive introductory training in clinical and interpersonal skills and attend preceptorships in which they work with a physician in private practice. During the second half of the curriculum, students rotate through clinical clerkships in family medicine, internal medicine, obstetrics and gynecology, pediatrics, psychiatry, and surgery and through selectives given to meet the student's special interests and career goals. Through affiliation with 28 area hospitals and nearly 800 private practitioners throughout the Tidewater area, EVMS students are provided with a diversity of clinical experiences and methods for the delivery of medical care. Students are promoted on the basis of their ability to complete required objectives satisfactorily, with achievement being designated as pass, fail, or incomplete.

Requirements for Entrance. Applicants must complete a minimum of 100 college semester hours at an accredited American or Canadian college or university. These must include the following required subjects:

	Sem. hrs.
Animal biology	6
Inorganic chemistry	6
Organic chemistry	6
Physics	6
Calculus or statistics	3
Psychology, anthropology, or sociology	6
English	6

Plans to complete these requirements during the academic year prior to matriculation must be noted on the application. While required courses taken more than seven years prior to application are not acceptable, exceptions to this rule can be requested in writing. Pass/fail grades or grades of D in any required course are not accepted. Credits earned through advanced placement programs or CLEP are acceptable. Graduate students must complete degree requirements prior to matriculation.

The MCAT is required; no application will be considered complete without MCAT scores. Applicants are strongly urged to take the MCAT in the spring of the year of application to avoid delay in processing the application.

Selection Factors. One of the goals of EVMS is to produce physicians who are both competent and compassionate. Accordingly, applicants are evaluated using several factors, including science and overall GPA, MCAT scores, exposure to the medical field, maturity, character, emotional stability, integrity, judgment, and motivation. The Committee on Admissions requires an applicant to have a good concept of the role of a physician and to provide evidence of sustained motivation required for medical disciplines. Many applicants demonstrate achievement of these requirements by their volunteer or work experience in a medical environment and by participation in community projects. Personal characteristics of an applicant are determined by a written statement, a personal interview at EVMS, letters of recommendation, and other evaluations.

All persons applying for admissions into the entering class of 1983 must declare themselves as an applicant for either the three-year or four-year curriculum. However, the Committee on Admissions reserves the right to recommend which curriculum is best suited to the applicant's needs.

Preference is given to legal residents of Virginia, with special consideration being shown to residents of the Tidewater area of Virginia. Nonresidents with excellent academic credentials are encouraged to apply, and they can enhance their chance of being accepted by applying through the Early Decision Plan. Foreign nationals are not considered. EVMS does not discriminate on the basis of sex, race, creed, age, national origin, marital status, or handicap. The application fee will be waived if a fee waiver is granted by AMCAS.

Financial Aid. Financial needs of the applicant are not a consideration in the admissions process. Applications for financial assistance are separate from admissions applications and should be submitted by March 15 regardless of acceptance status. Late applications will be considered on the basis of remaining available funds. Scholarship and loan funds available from the school are insufficient to meet the total needs of the student body, 64 percent of whom receive financial aid. A listing of extramural sources is available in the Financial Aid Office.

Information for Minorities. Minority students are encouraged to apply. Every effort is made to evaluate these applicants with due consideration of their background. EVMS has several college-endorsed student organizations and faculty liaison committees that actively address socialization or academic concerns. The minority affairs counselor, Millicent E. Brown, assistant dean for student and community relations, should be contacted for information.

Timetable of Application and Acceptance for 1983-84 First-Year Class

School participates in AMCAS. See Chapter 4.

Filing of AMCAS application
  Earliest date: June 15, 1982
  Latest date: Nov. 15, 1982
School application fee to all applicants: $50
Acceptance notice to regular applicants
  Earliest date: Oct. 15, 1982
  Latest date: July 1, 1983
Does have Early Decision Plan (EDP)
  EDP application period: June 15-Aug. 1, 1982
  Applicants notified by: Oct. 1, 1982
Applicant's response to acceptance offer
  Maximum time: 2 weeks
Deposit to hold place in class (applied to tuition): $100, due 2 weeks after receipt of offer
Deposit refundable prior to: March 15, 1983
Estimated number of new entrants: 48 in three-year program and 48 in four-year program
Starting date: June 22, 1983

Expenses per Year for 1981-82 First-Year Class

Tuition
  Resident: $8,000
  Nonresident: $10,000
Student fees: $325
Microscope rental available from school: $100
Total average figure for all other expenses: $7,200 (12 months)

Information on 1981-82 First-Year Class

Number of	*In-State*	*Out-of-State*	*Total*
Applicants*	769	579	1,348
New Entrants †	94	2	96

*31% were interviewed.
†100% were interviewed, took the MCAT, and had baccalaureate degrees.

Virginia Commonwealth University Medical College of Virginia School of Medicine

Dr. Jesse L. Steinfeld, Dean
Dr. Miles E. Hench, Associate Dean, Admissions
Lynn A. McConnell, Financial Aid Officer

Address inquiries to:
Admissions
Virginia Commonwealth University
Medical College of Virginia
School of Medicine
Box 565, MCV Station
Richmond, Virginia 23298
(804) 786-9785

General Information. The School of Medicine, which has been in continuous operation since 1838, is the founding institution of the Medical College of Virginia, Health Sciences Division of Virginia Commonwealth University. The health science campus of this urban university includes the schools of medicine, dentistry, nursing, pharmacy, basic science, and allied health professions. The supporting clinical facilities are also on the campus.

Curriculum. The subject orientation of the integrated curriculum is the functioning organ system of the human body. These organ system subjects are organized, in the first year, to achieve a selective content of clinical and basic science knowledge of the growth, function, and development of a normal human being. During the second year, the emphasis shifts to abnormality. Pathologic change in the organ systems is the primary focus.

The third and fourth years are devoted to instruction in patient care in a variety of bedside and clinic settings of the medical center as well as conferences and lectures.

The fourth year also provides elective opportunities on and off the campus to continue an individual interest or activity begun in the first- or second-year electives. Medical students admitted to graduate studies may employ elective time to pursue graduate degree requirements.

Requirements for Entrance. The MCAT is required. A demonstrated competence in basic science is essential, although a science major is not required. Each matriculant must have at least 90 semester hours or equivalent in an accredited college. Courses must include:

	Semesters
Biology (with lab)	2
General chemistry (with lab)	2
Organic chemistry (with lab)	2
General physics (with lab)	2
College mathematics	2
English	2

Applicants are urged to take the MCAT in the spring of the year of application but no later than fall of that year. Early Decision Plan applicants must have MCAT scores available when applying.

Selection Factors. Applicants are selected as prospective physicians as well as students of medicine. Attributes of character, personality factors, academic skills, and abilities are all considered. Premedical evaluations, interviews, academic and biographical records, and MCAT scores are all considered in the comparative selection process.

The school does not discriminate on the basis of race, sex, creed, national origin, or handicap. The impact of social and economic factors is considered when evaluating applicants.

Preference is given to bona fide residents of Virginia; preliminary screening is made on the basis of the information presented in the AMCAS application. Nonresident applicants must have a minimum GPA of 3.2 overall and in science and a score of 8 in each of the areas of assessment on the MCAT to be considered further.

The 1981 entering class of 168 new students had the following characteristics: *undergraduate major*, 23 in arts or humanities, 145 in sciences; *degrees*, 31 with graduate degrees, including 6 doctorate degrees; *residence*, 80 percent Virginia residents; *minorities*, 5.4 percent black; *sex*, 28 percent women; *overall undergraduate GPA*, 3.48 (94 percent above 3.0); *MCAT average scores*, *B*-10.0, *C*-9.9, *P*-9.8, *SP*-10.0, *SA:R*-9.1, *SA:Q*-9.1. Thirteen percent of the entering students were selected through the Early Decision Plan.

The uniform acceptance date is October 15 with weekly selection thereafter. Supplemental applications must be received by December 1.

Financial Aid. Assistance to students in meeting the cost of their medical education is available in the form of loans, scholarships, College-Work Study Program, and financial counseling offered by the Financial Aid Office of the Medical College of Virginia. The College Scholarship Service needs analysis system is used in awarding need-based aid (see Chapter 6), and application is made by means of the Financial Aid Form (FAF).

The university's Financial Aid Department administers all major federal aid programs with the exception of the Health Education Assistance Loan (HEAL) Program and coordinates with the School of Medicine in the administration of state, private, and institutional scholarships and loans. The Financial Aid Department makes a written response to every student request. Application forms and aid fact-sheets are available in mid-January of each year. Applications for aid may be made prior to notification of acceptance by the school. Applicants are encouraged to seek all resources available to them.

Information may be obtained from: Financial Aid Office, Medical College of Virginia, School of Medicine, Box 244-MCV Station, Richmond, Virginia 23298; the location is Bear Hall, 10th and Leigh Streets in Richmond.

Timetable of Application and Acceptance for 1983-84 First-Year Class

School participates in AMCAS. See Chapter 4.

Filing of AMCAS application
  Earliest date: June 15, 1982
  Latest date: Nov. 15, 1982
School application fee after screening: $35
Acceptance notice to regular applicants
  Earliest date: Oct. 15, 1982
  Latest date: when class is filled
Does have Early Decision Plan (EDP)
  EDP application period: June 15-Aug. 1, 1982
  Applicants notified by: Oct. 1, 1982
Applicant's response to acceptance offer
  Maximum time: 2 weeks
Deposit to hold place in class (applied to tuition): $100, due with response
Deposit refundable prior to: March 1, 1983
Estimated number of new entrants: 168
Starting date: Aug. 26, 1983

Expenses per Year for 1981-82 First-Year Class

Tuition
  Resident: $3,100
  Nonresident: $5,250
Student fees: $208
School provides microscope without charge
Total average figure for all other expenses: $4,500

Information on 1981-82 First-Year Class

Number of	*In-State*	*Out-of-State*	*Total*
Applicants*	800	1,762	2,562
New Entrants †	134	34	168

*25.7% were interviewed.
†100% were interviewed and took the MCAT; 98.8% had baccalaureate degrees.

University of Virginia School of Medicine

Dr. Norman J. Knorr, Dean
Dr. E. W. Pullen, Associate Dean and
Director of Admissions

Address inquiries to:
Office of the Dean
Admissions, Box 235
University of Virginia
School of Medicine
Charlottesville, Virginia 22908
(804) 924-5571

General Information. Authorization to establish the School of Medicine, one of the oldest medical schools in the South, is noted in the handwriting of Thomas Jefferson in the minutes of the first meeting of the Board of Visitors of the University of Virginia in 1819. The School of Medicine was established in 1824 and opened for instruction March 7, 1825.

The School of Medicine and the University of Virginia Hospital are both located on the grounds of the University of Virginia in Charlottesville. Excellent board and room facilities, both private and university-owned, are easily accessible. The University of Virginia Hospital has over 600 beds and an outpatient department. These facilities are supplemented by those of University of Virginia Children's Rehabilitation Center (for handicapped children), Blue Ridge Hospital Division, and Towers Hospital.

Curriculum. During the first two years, students study a core curriculum of those basic and clinical sciences requisite to an understanding of both the physical and psychological aspects of human biology and to the study of disease. An effort is made to demonstrate the application of the basic sciences to clinical medicine by the use of patient case materials. The skills of taking case histories and examining patients are also taught at this time.

The remainder of the curriculum consists of 12 months of required clinical clerkships and eight months of elective opportunities. During the series of clerkships on the various clinical services, the learning experience is by direct contact with patients. The student is a member of the health care team responsible for optimal patient management. Teaching occurs primarily at the bedside; small tutorial seminars, lectures, and group discussions are also conducted. In addition to the clinical clerkships at the University of Virginia Hospital, all students, unless exempted, can expect to have part of their clerkship experience at an affiliated hospital under the direction of full-time faculty members.

The electives program offers students the opportunity to further pursue their own interests and abilities. Students may choose from a variety of electives, including clinical experiences, graduate courses, and research activities. A summer elective program in primary care is currently being conducted for a limited number of entering students.

Requirements for Entrance. The MCAT is required. The minimum undergraduate college requirement for admission is 90 hours; however, it is unusual to accept students who will not have received the baccalaureate degree by the time of enrollment. Without exception the following courses are required:

	Sem. hrs.
Biology	8
Inorganic chemistry	8
Organic chemistry	6
General physics	8

Other than these courses, the college curriculum for the premedical student should be planned in accord with individual interests. Moreover, the prospective medical student is reminded that medicine is concerned with a variety of social and community problems; thus, a broad educational background is most desirable.

Students who elect to major in disciplines other than chemistry, biology, and physics may find less difficulty in coping with the basic sciences in medical school if they have, in addition to the above mentioned essential courses in the sciences, some work in either advanced biology or advanced chemistry.

CLEP credits are accepted. However, students are expected to pursue advanced courses if CLEP credit was awarded for any of the courses listed above.

Selection Factors. Preference is given to residents of Virginia. Nonresidents are accepted; however, only those presenting exceptionally strong credentials are encouraged to apply. Applications from members of minority groups are encouraged.

In the selection process many factors are considered. Some of the information relative to these factors is submitted by the student, some appears in letters of evaluation, and some is revealed during the interview. In the consideration of academic performance, the school is interested in the difficulty of the curriculum pursued and in trends in performance.

Applicants to the 1981 entering class had the following credentials: *overall acceptance rate,* 2,928 applications were received, 401 students were interviewed, and 247 acceptances were offered to obtain a class of 139 students; *residence,* 75.5 percent were Virginia residents; *mean total GPA,* 3.45.

Financial Aid. University scholarships and loans are available to students who demonstrate a financial need. Over half of the student body receives some sort of financial aid. Scholarships range from $500 to $8,000. Local loan funds are available and carry low interest rates. Application can be made through the financial aid director, Dr. Burton J. Litman, in early spring.

Timetable of Application and Acceptance for 1983-84 First-Year Class

School participates in AMCAS. See Chapter 4.

Filing of AMCAS application
  Earliest date: June 15, 1982
  Latest date: Nov. 15, 1982
School application fee to all applicants: $40
Acceptance notice to regular applicants
  Earliest date: Oct. 15, 1982
  Latest date: when class is filled
Does have Early Decision Plan (EDP)
  EDP application period: June 15-Aug. 1, 1982
  Applicants notified by: Oct. 1, 1982
Applicant's response to acceptance offer
  Maximum time: 3 weeks
Deposit to hold place in class (applied to tuition): $100, due with response
Deposit refundable prior to: March 1, 1983
Estimated number of new entrants: 139
Starting date: Sept. 1983

Expenses per Year for 1981-82 First-Year Class

Tuition
  Resident: $3,324
  Nonresident: $6,974
Student fees: $16
Microscope rental available from school: $40
Total average figure for all other expenses: $4,700

Information on 1981-82 First-Year Class

Number of	*In-State*	*Out-of-State*	*Total*
Applicants*	725	2,203	2,928
New Entrants †	105	34	139

*13.7% were interviewed.

†100% were interviewed, took the MCAT, and had baccalaureate degrees.

University of Washington School of Medicine

Dr. John D. Chase, Acting Dean
Dr. Werner E. Samson, Assistant Dean for Admissions
Flossie Hoffman, Administrative Officer for Admissions

Address inquiries to:
Committee on Admissions
Office of the Dean, SC-64
A-320 Warren G. Magnuson
Health Science Center
University of Washington
School of Medicine
Seattle, Washington 98195
(206) 543-7212

General Information. The University of Washington School of Medicine was established in 1945. For complete information about this school's policies, procedures, and programs, candidates are referred to the current University of Washington School of Medicine *Bulletin*, available from the school.

Curriculum. The curriculum is flexible, involving choices of electives and types and sites of study. One aspect of the curriculum is the WAMI program in decentralized medical education (see Chapter 3). All students enrolled at the University of Washington School of Medicine may receive as part of this program a portion of training at sites away from the University of Washington campus. Offers of acceptance, therefore, are conditioned upon agreement to participate in the WAMI operation. Those who enter as residents of Alaska, Montana, and Idaho are expected to spend at least their first year at the university site in their state.

Requirements for Entrance. The MCAT cannot be taken later than fall 1982 for the class entering in the fall of 1983. The following course requirements should be completed preferably by the time of application and must be completed prior to matriculation:

	Sem. hrs.
Biology	8
Chemistry Must include one-year sequence of organic chemistry with labs.	12
Physics	8

Proficiency also is required in English and basic mathematics.

All candidates must demonstrate substantial academic ability in their major field and in the required science courses. Students entering in the fall of 1981 had a mean GPA of 3.56 and the following mean MCAT scores: *B*-10.3, *C*-10.4, *P*-10.1, *SP*-10.2, *SA:R*-9.6, *SA:Q*-9.6. Candidates whose cumulative GPA is below 2.5 and whose Science Problem, Skills Analysis: Reading, and Skills Analysis: Quantitative MCAT scores average less than 8 are generally not seriously considered except for a few unusual cases with extenuating circumstances.

A minimum of three years of college is required; however, 100 percent of entrants in recent years have had bachelor's degrees. No major is preferred, but a broad educational background is encouraged. A knowledge of an exposure to the needs of individuals and society and an awareness of health care delivery systems are desired.

In order to receive full consideration, a candidate who is a legal resident of Washington, Alaska, Montana, or Idaho or, regardless of residence, a M.D.-Ph.D. candidate, black American, American Indian, or Chicano is required to submit directly to the school by February 15, 1983, the following supplemental materials: (i) a 300-word autobiographical statement, which can be written on the personal comment section of the application or submitted separately, that should include a description of the origin and development of the candidate's motivation to be a physician and the reasons for desiring to attend this medical school; (ii) a premedical committee evaluation or five individual letters submitted from instructors who have taught the candidate in a collegiate course (a mixture of evaluations from the sciences and humanities is recommended); (iii) a $25 fee (may be waived in hardship cases); and (iv) a data form supplied by the school during processing that requests information not given on the AMCAS application.

All applicants not described in the groups above are asked not to submit any of the supplemental material unless specifically requested to do so.

Official transcripts of all course work not reported on the AMCAS application are required to be submitted to the Admissions Office at the end of each quarter or semester. The Admissions Office should be promptly notified in writing of any changes in anticipated course work.

Candidates who wish to be considered for the M.D.-Ph.D. program must submit the Medical Scientist Training Program application within five weeks after receiving it from the school. This application is sent to all applicants along with the acknowledgement of receipt of their medical school application.

Selection Factors. Candidates are considered comparatively on the basis of academic performance, medical aptitude, motivation, maturity, and demonstrated humanitarian qualities. Extenuating background circumstances are considered as they relate to these selection factors.

Serious consideration is generally given to those candidates who are requested to automatically submit the supplemental material. All others should be aware that their application cannot be encouraged as, historically, the above mentioned pool of applicants has enough qualified candidates to more than fill the positions available.

All candidates selected are required to have an interview. Interviews, preferably held in Seattle, are granted by invitation only.

Financial Aid. Financial status has no bearing on chances for admission. All applicants for aid must submit data for an analysis of need by the Financial Aid Form (FAF) through the College Scholarship Service (see Chapter 6). Most aid is given in the form of loans. Students are discouraged from accepting employment during the academic periods. Over 90 percent of the student body receive some form of aid. Financial aid information will be distributed to all accepted applicants.

Information for Minorities. The University of Washington does not discriminate on the basis of race, creed, national origin, sex, or age. The School of Medicine is an integral part of a university with strong institutional commitments to the goal of providing higher education to qualified applicants from all backgrounds.

Timetable of Application and Acceptance for 1983-84 First-Year Class

School participates in AMCAS. See Chapter 4.

Filing of AMCAS application
  Earliest date: June 15, 1982
  Latest date: Nov. 15, 1982
School application fee to all applicants: $25
Acceptance notice to regular applicants
  Earliest date: Nov. 15, 1982
  Latest date: Sept. 19, 1983

Does not have Early Decision Plan
Applicant's response to acceptance offer
  Maximum time: 2 weeks
Deposit to hold place in class (applied to tuition): $50, due upon billing; nonrefundable
Estimated number of new entrants: 175
Starting date: Sept. 1983; varies according to WAMI site attending first year

Expenses per Year for 1981-82 First-Year Class

Tuition
  Resident: $1,929
  Nonresident: $5,730

School provides microscope without charge
Total average figure for all other expenses: $6,000

Information on 1981-82 First-Year Class

Number of	*In-State‡*	*Out-of-State*	*Total*
Applicants*	668	1,047	1,715
New Entrants†	165	10	175

*29% were interviewed.
†100% were interviewed, took the MCAT, and had baccalaureate degrees.
‡In-state figures include Washington, Alaska, Montana, and Idaho (WAMI) residents.

Marshall University School of Medicine

Dr. Robert W. Coon, Vice President and Dean
Dr. David K. Heydinger, Associate Dean for Academic and Clinical Affairs
Cynthia Warren Chapman, Assistant Director of Admissions

Address inquiries to:
Office of Admissions
Marshall University
School of Medicine
Huntington, West Virginia 25701
(304) 526-0517

General Information. The Marshall University School of Medicine was developed under the Veterans Administration Medical Assistance and Health Training Act passed by Congress in 1972. The School of Medicine was granted full accreditation and graduated its first class in 1981.

The School of Medicine is a community-based program with emphasis on the education of primary care physicians. The teaching affiliates of the School of Medicine include hospitals in Huntington and other communities in West Virginia.

Curriculum. In the first year, the basic science courses of anatomy, physiology, and biochemistry are supplemented by courses in psychiatry and biostatistics. Unique to the first year are courses in emergency medical training and a clinical interdepartmental course, Introduction to Medicine. Since the primary thrust of this curriculum is toward primary care, an initial one-week block is devoted to on-the-job indoctrination in model offices, clinics, and hospitals. The second year includes pharmacology, pathology, microbiology, genetics, psychiatry, community medicine, physical diagnosis, and introduction to medicine, with all clinical departments participating. During the third and fourth years, students are rotated through clerkships at participating community hospitals and other locations in the clinical fields of medicine, surgery, pediatrics, psychiatry, family practice, obstetrics/gynecology, and community medicine. Twenty-six weeks are devoted to electives in the senior year. A standard letter grading system (A, B, C, F) is utilized.

Requirements for Entrance. The MCAT is required. The baccalaureate degree is preferred. However, exceptionally well qualified students with three years of collegiate education or the equivalent may be considered for admission. Minimum course requirements are:

	Years
Biology or zoology (with lab)	1
Inorganic chemistry (with lab)	1
Advanced chemistry Must include at least one semester of organic chemistry (with lab).	1
Physics (with lab)	1
English composition and rhetoric	1
Behavioral or social sciences	1

With the exception of these specific courses, applicants are encouraged to pursue their personal educational interests. Quality of course work rather than the field in which it is taken is the more important consideration.

It is urged that applicants take the MCAT in the spring of the year of application but no later than the fall of that year.

Selection Factors. There is no discrimination because of race, sex, religion, age, handicap, or national origin. Qualified members of minority groups are encouraged to apply.

Students are selected on the basis of the quality of their academic records, the MCAT scores, and the personal qualifications as judged by interviews and by recommendations from qualified persons. Interviews are arranged only by invitation of the Admissions Committee. Behavioral qualities deemed essential for a career in medicine include, but are not limited to, good judgment, insight, integrity, responsibility, and sensitivity.

As a state supported institution, the School of Medicine gives preference in selection of students to state residents. Rarely positions may be available to well qualified nonresidents from the immediate area.

The August 1981 entering class had the following profile: *residence*, 94 percent West Virginia residents; *mean overall GPA*, 3.52; *sex*, 12 women; *undergraduate major*, 69 percent in biological sciences, chemistry, or preprofessional curriculum; *degrees*, 31 bachelors degrees, 5 without degrees; *undergraduate schools*, 27 students attended West Virginia schools; *over-*

all acceptance rate. 184 students were interviewed, 63 acceptances were offered to obtain an entering class of 36 students.

Financial Aid. The financial needs of the applicant are not a consideration in the admissions process. There is a variety of resources for financial assistance available to medical students. Further information and applications for financial aid may be obtained from: Office of Financial Aid, Marshall University, Huntington, West Virginia 25701. The director of financial aid is Edgar W. Miller.

Because of the rigorous nature of the medical program of studies, students are advised not to attempt outside employment during the academic year.

Timetable of Application and Acceptance for 1983-84 First-Year Class

School participates in AMCAS. See Chapter 4.

- Filing of AMCAS application
  - Earliest date: June 15, 1982
  - Latest date: Nov. 15, 1982
- School application fee to all applicants: $10
- Acceptance notice to regular applicants
  - Earliest date: varies
  - Latest date: varies
- Does not have Early Decision Plan
- Applicant's response to acceptance offer
  - Maximum time: 2 weeks
- Deposit to hold place in class: none
- Estimated number of new entrants: 48
- Starting date: Aug. 1983

Expenses per Year for 1981-82 First-Year Class

- Tuition
  - Resident: $180
  - Nonresident: $910
- Student fees
  - Resident: $546
  - Nonresident: $896
- School provides microscope (rental included in student fees)
- Total average figure for all other expenses: $6,800

Information on 1981-82 First-Year Class

Number of	*In-State*	*Out-of-State*	*Total*
Applicants*	187	723	910
New Entrants †	34	2	36

*20% were interviewed.

†100% were interviewed and took the MCAT; 86% had baccalaureate degrees.

West Virginia University School of Medicine

Dr. John E. Jones, Dean
Dr. David Z. Morgan, Associate Dean
Dr. John F. Foss, Chairman, Committee on Admissions

Address inquiries to:
Office of Admissions and Records
West Virginia University
School of Medicine
West Virginia University Medical Center
Morgantown, West Virginia 26506
(304) 293-3521

General Information. West Virginia University has offered the first two years of the medical curriculum continuously since 1902. Two decades ago the medical center was established, including the School of Medicine and the schools of dentistry, nursing, and pharmacy. A modern physical plant provides facilities for the schools. Clinical instruction is carried out in the 500-bed University Hospital, the Charleston Division, the Wheeling Division, West Virginia University Medical Center, the Clarksburg Veterans Administration Hospital, and community hospitals affiliated through the West Virginia Joint Council on Teaching Hospitals.

Some university housing is available for both married and unmarried students.

Curriculum. The educational program of the School of Medicine is designed to provide students with a foundation upon which they can base further preparation for any branch of medicine, specifically including family practice, specialty practice, teaching, research, or a combination of these career objectives.

In the first and second years the plan of study is directed toward the principles and methodology of the basic medical sciences. However, the basic courses are designed so that the student begins to integrate concepts of patient care. Students have the opportunity of additional early exposure to patient-oriented instruction through the introduction to clinical, behavioral, and community medicine during the basic science years.

A traditional third year curriculum gives the student a foundation in history-taking, examination, patient relations, laboratory aids, diagnosis, treatment, and use of medical literature in the major clinical disciplines.

The fourth year is selective; that is, students choose one of three tracks, working with advisers in each track to select their individual program. The general track is appropriate for the student considering family practice or the student who has not decided upon a particular specialty interest. The student may choose a specialty track by department and may already recognize a compelling attraction to a subspecialty within that department. The research track offers the opportunity to spend much of the fourth year in medical or biological research. Every department conducts a vigorous program of research in which students are encouraged to participate and to develop programs of their own. Vacation research fellowships are available, and interested, qualified students are given the opportunity to work toward the Ph.D. degree in any of the basic medical sciences. Only students with exceptional interest and promise will be considered for the combined M.D.-Ph.D. program.

Requirements for Entrance. The MCAT and a minimum of three years of college (minimum of 90 semester hours or equivalent) are required. College work must include:

	Years
Biology or zoology (with lab)	1
Inorganic chemistry (with lab)	1
Organic chemistry (with lab)	1
General physics (with lab)	1
English composition and rhetoric	1
Behavioral or social sciences	1

Fundamental competence in communication skills is emphasized as a great need. Additional course work should be designed to lead toward a bachelor's degree with major and minor fields of the applicant's own choosing, not necessarily in the natural sciences and not necessarily in a premedical curriculum.

The applicant should take the MCAT in the spring, apply promptly after June 1, and request at the time of application that academic records be sent to the School of Medicine. Interviews are held beginning in September. No applicant is admitted without an interview. Acceptances will be issued periodically throughout the interview period.

Selection Factors. There is no discrimination because of race, creed, sex, or age.

Qualified members of minority groups are encouraged to apply. Choice of students is based upon scholarship, MCAT scores, and personal qualifications as judged by interviews and recommendations from qualified persons.

As a state supported school, the School of Medicine gives preference in selection of students to West Virginia residents, but a few places may be available each year to well qualified nonresidents. Although most students present a bachelor's degree at matriculation, a small number of carefully selected individuals are admitted at the end of three years of college work.

The 1981 entering class had the following profile: *residence*, 99 percent West Virginia residents; *mean overall GPA*, 3.52; *sex*, 19 women; *undergraduate major*, 84 percent in biological sciences, chemistry, or preprofessional curriculum; *degrees*, 79 bachelor degrees, 8 graduate degrees; *undergraduate schools*, 62 students attended West Virginia schools; *overall acceptance rate*, 317 applicants were seriously considered, 103 acceptances were offered to obtain a class of 88 freshmen.

Financial Aid. A limited number of scholarship awards are available to well qualified students. The West Virginia State Medical Association offers a grant of $1,500 per year for four years to four students in each entering class who agree to spend four years in rural practice in West Virginia. Loan funds are also available. Some part-time employment may be secured within the school, but the medical student should not undertake a heavy schedule of outside work. Students' spouses with any reasonable training and experience ordinarily have no difficulty in finding work near the medical school, the university, or Morgantown. Qualified nurses and laboratory technicians are especially in demand. The financial aids officer is Kenneth Sears.

Timetable of Application and Acceptance for 1983-84 First-Year Class

Filing of application
  Earliest date: June 1, 1982
  Latest date: Nov. 30, 1982
School application fee to all applicants: $10
Acceptance notice to regular applicants
  Earliest date: varies
  Latest date: varies
Does not have Early Decision Plan

Applicant's response to acceptance offer
  Maximum time: 2 weeks
Deposit to hold place in class (applied to tuition): $50, due within 2 weeks of receipt of offer
Deposit refundable prior to: June 15, 1983
Estimated number of new entrants: 88
Starting date: Aug. 22, 1983

Expenses per Year for 1981-82 First-Year Class

Tuition
  Resident: $234
  Nonresident: $670
Student fees
  Resident: $548
  Nonresident: $1,298

School provides microscope without charge
Total average figure for all other expenses: $5,408

Information on 1981-82 First-Year Class

Number of	*In-State*	*Out-of-State*	*Total*
Applicants*	243	203	446
New Entrants †	87	1	88

*71% were interviewed.

†100% were interviewed and took the MCAT; 97% had baccalaureate degrees.

The Medical College of Wisconsin

Dr. Edward J. Lennon, Dean and Vice President
for Academic Affairs
Dr. Sally Y. Long, Associate Dean
for Student Affairs
Kathye Dettwiler, Director of Financial Aid

Address inquiries to:
Director of Admissions and Registrar
The Medical College of Wisconsin
8701 Watertown Plank Road
P.O. Box 26509
Milwaukee, Wisconsin 53226
(414) 257-8246

General Information. Founded in 1913 as the Marquette University School of Medicine, the school became freestanding in 1967 and adopted its present name in 1970. It is a private medical school but receives support from the state. Strong relationships are maintained with other educational institutions in Milwaukee and throughout the state. Hospitals with major affiliation are the Milwaukee County General Hospital, Milwaukee Children's Hospital, Milwaukee Psychiatric Hospital, Wood Veterans Administration Medical Center, Curative Rehabilitation Center, and Froedtert Memorial Lutheran Hospital.

Curriculum. Acquiring thorough knowledge of the basic medical sciences is emphasized during the first two years. In addition to biochemistry, anatomy, and physiology, courses in biostatistics and a psychiatry course are also offered in the first year. The second-year curriculum includes microbiology, pathology, radiation biology, and pharmacology; courses in human sexuality and psychopathology offered by the Department of Psychiatry; and a course offered by the Department of Preventive Medicine that covers family and community health, epidemiology, and current issues in medicine. An interdisciplinary course designed to introduce students to clinical medicine is offered one afternoon per week during the first two years.

The third year consists of two-month clerkships in medicine, surgery, obstetrics/gynecology, and pediatrics and a two-month combination of psychiatry, ophthalmology, and anesthesiology.

During the fourth year, students have one-month rotations in ward medicine, surgery, a medical selective, and ambulatory/community medicine, six elective months, and one month of vacation.

Requirements for Entrance. The MCAT is required, and applicants are urged to take it in the spring of the year of application. A minimum of three years of undergraduate work (90 semester hours) is required. The following courses are considered essential in the academic preparation of each prospective medical student:

	Sem./Qtr.
Biology (with lab)	2/3
General chemistry (with lab)	2/3
Organic chemistry (with lab)	2/3
Physics	2/3
English	2/3
Should be college English which stresses composition.	
Mathematics	
Completion of courses in algebra and analytical geometry in high school or college.	

Courses in the arts, language, literature, history, music, philosophy, and social sciences are strongly recommended.

Applicants are urged to take all required courses on a graded basis.

The school accepts students from a variety of major fields of study. While students should determine their fields of major study according to their personal interest, each student must also be academically prepared for the medical school curriculum. Students are expected to be capable of effectively expressing themselves both orally and in writing.

Selection Factors. Academic excellence alone does not assure acceptance. The medical school reserves the right to exclude any applicant for any reason it deems sufficient. The college seeks students who are well suited to a competent and ethical practice of medicine. Successful applicants are expected to have a mature sense of values, sound motivation, demonstrated academic achievement, and the willingness and ability to assume responsibility.

The selection of students is based on a comparative appraisal of each candidate's suitability for the profession of medicine. Undergraduate achievement and MCAT scores are carefully evaluated as are subjective factors, including the candidate's statement in the application, academic recommendations, and personal interviews.

The mean GPAs for the 1981 entering class were 3.69 for Wisconsin residents and 3.70 for nonresidents.

Interviews are an integral part of the admissions procedure, and all applicants being seriously considered are interviewed before being offered an acceptance. Interviews are scheduled only at the request of the Committee on Admissions.

Preference is given to Wisconsin residents. The Medical College of Wisconsin does not discriminate on the basis of race, sex, creed, or national origin.

Financial Aid. All financial assistance available through the college, including federal and institutional scholarships and loans, is awarded solely on the basis of need. Students are also expected to apply for any outside financial assistance for which they are eligible. The Financial Aid Office is available to direct students to sources of support. Students may apply for financial aid as soon as they have been accepted and have indicated their intent to enroll. Because of restrictions placed on loans and scholarship funds, financial aid can rarely be obtained by non-U.S. citizens.

Information for Minorities. The school encourages applications from qualified minority group students, particularly those who are Wisconsin residents. In addition to academic achievement, MCAT scores, recommendations, and personal interviews, the committee carefully considers the student's social and educational background and motivation. Application fees and interview costs may be defrayed for financially disadvantaged students. Further information concerning programs for minority students may be obtained from the director of minority affairs.

Timetable of Application and Acceptance for 1983-84 First-Year Class

School participates in AMCAS. See Chapter 4.

Filing of AMCAS application
  Earliest date: June 15, 1982
  Latest date: Dec. 1, 1982
School application fee to all applicants: $35
Acceptance notice to regular applicants
  Earliest date: Nov. 15, 1982
  Latest date: Aug. 18, 1983
Does have Early Decision Plan (EDP)
  EDP application period: June 15-Aug. 1, 1982
  Applicants notified by: Oct. 1, 1982

Applicant's response to acceptance offer
  Maximum time: 2 weeks
Deposit to hold place in class (applied to tuition):
  $100, due within 2 weeks of offer
Deposit refundable prior to: March 15, 1983
Estimated number of new entrants: 200
Starting date: Aug. 18, 1983

Expenses per Year for 1981-82 First-Year Class

Tuition
  Resident: $6,325
  Nonresident: $10,450
Student fees: $25

Microscope rental available from school: $105
Total average figure for all other expenses:
  $6,437

Information on 1981-82 First-Year Class

Number of	*In-State*	*Out-of-State*	*Total*
Applicants*	570	2,414	2,984
New Entrants †	124	76	200

*20% were interviewed.

†100% were interviewed and took the MCAT; 82% had baccalaureate degrees.

University of Wisconsin Medical School

Dr. Arnold L. Brown, Dean
Dr. Leonard A. Fahien, Associate Dean for Education
Irene Dombeck, Admissions Assistant

Address inquiries to:
Admissions Committee
University of Wisconsin Medical School
Medical Sciences Center
1300 University Avenue
Madison, Wisconsin 53706
(608) 263-4925

General Information. The University of Wisconsin Medical School initiated a two-year program in 1907 and expanded to a full four-year program in 1924. The present University of Wisconsin Center for Health Sciences—which includes the Medical School, University Hospitals, Psychiatric Research Institute, School of Nursing, School of Pharmacy, School of Allied Health Sciences, and State Hygiene Laboratory—is located on the university campus. The Clinical Science Center, located on the western edge of campus, opened in 1978 and houses the Medical School clinical departments, University Hospitals, School of Nursing, and Wisconsin Clinical Cancer Center. In addition to the University Hospitals, other hospitals in Madison and in Wisconsin are utilized in the educational program.

Curriculum. The educational and research programs have been developed to educate students to become qualified to undertake any career in medicine. The program provides early introduction to clinical problems, interdepartmental teaching by both basic science and clinical faculty in the second-year course entitled Pathophysiology of Disease, and up to 44 weeks of elective opportunity in basic and clinical sciences during the senior year.

The curriculum provides for eight-week preceptorships in the senior year with authorized physicians throughout Wisconsin and expanded opportunities for study in other schools of the university and in other institutions.

Opportunities for research are available to medical students in individually arranged programs leading to the M.S. and Ph.D. degree or by nondegree arrangements.

Requirements for Entrance. The MCAT is required. Applicants are strongly encouraged to take the MCAT in the spring before application. Consideration of applicants who indicate they are taking the fall MCAT will be delayed, without detriment, until receipt of those scores.

Applicants must have a minimum of three years (90 semester hours) of college work by the time of matriculation. However, applicants are encouraged to obtain a baccalaureate degree before matriculation. Only a few three-year applicants have gained admission in recent years. College work must include:

	Semesters
General and advanced zoology or biology (with lab) Courses are suggested from one or more of the following: cell biology, comparative vertebrate anatomy, developmental biology, or genetics.	2
Inorganic chemistry (with lab) Must include qualitative analysis.	2
Organic chemistry (with lab) Must cover both aliphatic and aromatic compounds. Under unusual conditions a one-semester course could be used to satisfy this requirement.	2
Quantitative analysis An equivalent chemistry course with lab work may be substituted, provided that the chemistry program includes adequate experience in quantitative concepts and techniques.	1
General physics (with lab)	2
Mathematics College algebra and trigonometry are required.	2

Courses in English, biochemistry, and calculus, and electives in the humanities and social sciences are recommended.

Selection Factors. Intellectual ability, breadth of academic and nonacademic interests and experiences, ability to communicate with others, motivation for medicine, and personal characteristics are some of the factors considered by the Admissions Committee. A preprofessional committee evaluation or three academic letters of recommendation are required and must be submitted no later than January 15. Applicants may or may not be invited for personal interviews to complete the application process depending upon the selection procedures being used. Applicants are encouraged to make their written applications as complete as possible.

The University of Wisconsin Medical School does not discriminate on the basis of race, sex, creed, national origin, age, or handicap. Women, minorities and/or disadvantaged students, and students from rural areas are encouraged to apply since these groups are presently underrepresented in both the applicant pool and the medical profession. Preference is given to residents of Wisconsin. Nonresident applicants are competing for a very limited number of places. Under the present circumstances, the number of nonresidents that can be admitted is limited to 5 percent of the entering class, currently a maximum of eight positions. Only highly qualified nonresidents are encouraged to apply.

Financial Aid. All financial aid allocated by the University of Wisconsin Medical School is awarded on the basis of proven need. Need is calculated as the necessary expenses incurred while attending medical school minus the resources provided to the student by outside agencies, personal resources, and available parental resources. Priority for financial aid, especially grant awards, will be given to students with the greatest need. A large proportion of the total financial aid available is in the form of loans. Because of restrictions placed on loans and scholarships funds, financial aid can rarely be obtained by non-U.S. citizens.

Information for Minorities. The University of Wisconsin Medical School is committed to increasing the number of physicians from presently underrepresented ethnic groups and providing educational opportunity to individuals who have confronted socioeconomically and educationally disadvantaged conditions. Applications are encouraged from resident and nonresident black Americans, mainland Puerto Ricans, Mexican-Americans, American Indians, and all socioeconomically disadvantaged persons, regardless of ethnic identity.

Every effort is made to reach a fair and well informed assessment of intellectual capacity, motivation for medicine, ability to communicate with others, determination to help others, and character. The accomplishments of all applicants will be assessed with due consideration of their backgrounds. Also considered is the diversity of interests which is of value in the training of professionals for good health care delivery.

Timetable of Application and Acceptance for 1983-84 First-Year Class

School participates in AMCAS. See Chapter 4.

Filing of AMCAS application
  Earliest date: June 15, 1982
  Latest date: Dec. 1, 1982
School application fee to all applicants: $20
Acceptance notice to regular applicants
  Earliest date: Nov. 15, 1982
  Latest date: varies

Does have Early Decision Plan (EDP)
  For Wisconsin residents only
  EDP application period: June 15-Aug. 1, 1982
  Applicants notified by: Oct. 1, 1982
Applicant's response to acceptance offer
  Maximum time: 2 weeks
Deposit to hold place in class: none
Estimated number of new entrants: 159
Starting date: Aug. 9, 1983

Expenses per Year for 1981-82 First-Year Class

Tuition
  Resident: $4,602
  Nonresident: $6,982
Student fees: $248

School provides microscope without charge
Total average figure for all other expenses: $3,360

Information on 1981-82 First-Year Class

Number of	*In-State*	*Out-of-State*	*Total*
Applicants*	532	1,049	1,581
New Entrants †	151	8	159

*15% were interviewed.

†100% were interviewed, took the MCAT, and had baccalaureate degrees.

Chapter 11

Information About Canadian Medical Schools

Accredited by the LCME and by the CACMS

The 16 medical schools in Canada are affiliate institutional members of the Association of American Medical Colleges (AAMC) and participate in the association's activities. The Canadian medical schools are accredited jointly by the Liaison Committee on Medical Education (LCME) and the Committee on Accreditation of Canadian Medical Schools (CACMS) of the Association of Canadian Medical Colleges. All are M.D. degree-granting schools with high quality educational programs.

Canadian medical schools should not be thought of as "foreign" in the same sense as the foreign medical schools mentioned in Chapters 3 and 8. Admission policies and procedures of the Canadian schools are in many respects similar to policies and procedures followed in U.S. schools. Thus, many of the suggestions in Chapters 1 through 6 are applicable also to students applying to these schools. A diversity does exist, however, in the relative importance given by the schools to various factors considered relevant in the selection process. Reference should be made to the individual school entries for details on these differences.

Twelve of the 16 Canadian medical schools have four-year programs. McMaster and Calgary have three-year programs, and Montreal and Saskatchewan have five-year programs.

It should be emphasized that the Canadian schools can consider only a very limited number of U.S. applicants.

Selection Criteria

Pre-university education differs in Canada from the straight elementary-secondary 12-year system in the United States. There are also significant differences from province to province within Canada. As reflected in the individual entries, these differences affect the number of years of college/university instruction required of applicants to medical schools located in the different provinces. Individual schools also impose their own requirements independent of the differences that arise out of the educational system itself.

Language of Instruction

Three Canadian medical schools require fluency in French as all instruction is given in French. These schools are Laval, Sherbrooke, and Montreal—all located in the province of Quebec. In the other 13 schools instruction is given in English.

Residence Requirements

A very small number of foreign students are accepted into Canadian medical schools each year. In this context, "foreign" refers to persons who are neither citizens of Canada nor landed immigrants at the time of application.

Also, medical schools usually give preference to citizens and landed immigrants residing in the province in which the medical school is located because universities are a provincial responsibility in Canada. Individual schools within the province of

Ontario may prefer to select students from specific regions within the province; prospective applicants should be aware of these preferences to maximize their chances of success.

Applicants from outside Canada should check with the particular school in which they are interested to ascertain whether that school considers applications from non-Canadian citizens or non-immigrants.

Academic Record/Suitability

Although it is probably fair to state that an excellent academic record is the most important factor in gaining admission to a Canadian medical school, in recent years a great deal of effort has gone into devising means of assessing suitability for a medical career based on factors other than academic ability. Personal suitability is assessed in a variety of ways by the schools so that persons able to demonstrate the qualities considered important in the practice of medicine may gain access to medical school even if their academic record is not outstanding. Also, persons with outstanding records who fail to demonstrate the personal qualities considered important may not gain a place in medical school.

Most successful applicants to Canadian medical schools were interviewed prior to acceptance. The discussion of the interview in Chapter 5 also applies in the context of admission to Canadian schools.

MCAT

Eleven Canadian medical schools require applicants to take the Medical College Admission Test (MCAT). These schools are Alberta, British Columbia, Calgary, Dalhousie, Manitoba, McGill, Memorial, Ottawa, Queen's, Toronto, and Western Ontario.

Other Considerations

Entrants to Canadian schools today are often much younger or much older than their counterparts of a decade ago. Older applicants are given far greater consideration than in the past.

Each school, however, has its own policy as to lower and upper limits of candidates' age at time of commencement of medical studies. Prospective candidates who are older than most medical students should check the policy of the schools to which they wish to apply.

Table 11-A

Subjects Required by Three or More Canadian Medical Schools, 1983-84 Entering Class*

Required Subjects	No. of Schools (N = 16)†
General or inorganic chemistry	14
Organic chemistry	13
Physics	13
General biology or zoology	12
English	7
Calculus	5
College mathematics	4
Analytical geometry	3
College algebra	3
Humanities (unspecified)	3
Physical chemistry	3
Qualitative analysis	3
Quantitative analysis	3
Trigonometry	3

*Figures based on data provided fall 1981.

†Two of the 16 medical schools (Calgary and McMaster) did not indicate specific course requirements and are not included in the tabulations.

In no Canadian medical school is sex, race, or religion a factor in the selection process. The number of female applicants has risen dramatically in recent years, and correspondingly larger proportions of the entering classes have been made up of women.

Expenses/Financial Aid

Information about the expenses of attending medical school, in terms of Canadian dollars, is given in Table 11-B. Expenses will vary from school to school and from individual to individual. The 1981-82 resident tuition ranged from $724 to $1,863. Eight schools reported higher tuition for non-Canadian students. It should be noted that tuition in several Canadian schools is higher for upper years than for the first year. Again, the individual school entries should be consulted.

Some information about financial aid is given in the individual school entries. Eli-

Table 11-B

Average Expenses for 1981-82 First-Year Students at Canadian Medical Schools (In Canadian Dollars)

First-Year Expense Item	Range	Median	Average
Tuition and fees*			
Resident	724-1,863	1,183	1,149
All other expenses† (not including microscope)	1,500-7,500	5,000	4,931

*Alberta, Dalhousie, Laval, McGill, McMaster, Western Ontario, Queen's, and Toronto reported a higher tuition for non-Canadian students. Montreal, Ottawa, and Saskatchewan do not accept non-Canadians.

†Includes room, board, books, supplies, transportation, and entertainment.

gible Canadian students may apply for a Canadian student loan, or they may apply to the Department of Education of their own province for a provincial student loan.

Ontario Medical School Application Service (OMSAS)

The Ontario Medical School Application Service (OMSAS) is a nonprofit centralized application service for applicants to the five medical schools in Ontario. OMSAS provides only the application processing service; each medical school is completely autonomous in reaching its own admission decisions. All applications to the Ontario medical schools must be processed through OMSAS.

OMSAS application materials are available July 1. Completed application materials and official transcripts must be received by OMSAS no later than November 15. However, applicants are advised to submit their application materials well in advance of the deadline. A set fee is charged for each school to which an applicant applies. An instruction booklet, containing information about application procedures, admission requirements, and the undergraduate academic record form, and the OMSAS application may be obtained from:

Ontario Medical School Application
Service
Ontario Universities' Application
Centre
P.O. Box 1328
Guelph, Ontario N1H 7P4
Canada

Sources for Further Information

Further information about admission requirements and curriculum of individual Canadian medical schools and information related to medical education in Canada are presented in the catalogs available from each school or by writing to:

Association of Canadian Medical
Colleges
151 Slater Street
Ottawa, Ontario K1P 5H3
Canada

Abbreviations

Listed below are the abbreviations used in the school entries in this chapter.

GPA – Grade-point average

MCAT – Medical College Admission Test

- B – Biology
- C – Chemistry
- P – Physics
- SA:Q – Skills Analysis: Quantitative
- SA:R – Skills Analysis: Reading
- SP – Science Problems

NBME – National Board of Medical Examiners

OMSAS – Ontario Medical School Application Service

The University of Alberta
Faculty of Medicine

Dr. D. F. Cameron, Dean
Dr. F. B. Cookson, Associate Dean, Undergraduate Medical Education
Sandria M. Neil, Admissions Officer

Address inquiries to:
Admissions Officer
13-106 Clinical Sciences Building
The University of Alberta
Faculty of Medicine
Edmonton, Alberta
Canada T6G 2G3
(403) 432-6350

General Information. The Faculty of Medicine at the University of Alberta was founded in 1913.

A graduate training program leading to eligibility for specialist qualifications by the Royal College of Physicians and Surgeons of Canada is offered in most clinical specialties. Programs leading to the degree of master of science or doctor of philosophy in any of the basic medical sciences and in most of the clinical medical sciences are conducted under the direction of the Faculty of Graduate Studies and Research of the university.

Opportunity for research in the basic medical sciences is available to those students interested in spending a year or more in this type of work and obtaining a bachelor of science in medicine degree.

The Medical Sciences Building, the Clinical Sciences Building, the Walter C. MacKenzie Health Sciences Centre, and the University of Alberta Hospital are located on the university campus. Clinical instruction is also given at the Royal Alexandra Hospital, Edmonton General Hospital, Misericordia Hospital, Alberta Hospital, Glenrose Hospital, W. W. Cross Cancer Institute, and Charles Camsell Hospital.

A student counseling service and student health services are available to all University of Alberta students.

Curriculum. The Faculty of Medicine conducts a fully accredited, four-year program leading to the degree of doctor of medicine. Each of the first two years consists of 33 weeks of instruction, from early September until mid-May. The final two years are conducted as a continuum, during which each student has a four-week holiday period.

The first year of the program includes a study of the principles of the basic medical sciences and an introduction to clinical medicine. The second year is a study of the basic and clinical sciences in relation to the mechanisms of disease in a clinical setting on a systems basis. The last two years are composed of a student internship of at least 52 weeks, during which the student is assigned to hospitals affiliated with the Faculty of Medicine for clinical study and experience, and an elective program which allows students to develop their own curriculum and spend a minimum of 22 weeks in one or more subject areas of their choice.

Throughout the program, emphasis is on self-education; much instruction is on a small group basis.

Requirements for Entrance. The MCAT and two years of college after senior matriculation are required. Since the University of Alberta admits students only after they receive senior matriculation, the B.A. or B.Sc. programs take a total of three years instead of four as in U.S. universities, which generally admit students after the twelfth grade. On this basis, a minimum of two university years after senior matriculation, which is the equivalent of the first three collegiate years in the United States, is required.

The prerequisites for admission to the Faculty of Medicine are the following university courses:

Biological sciences: General biology, genetics, vertebrate zoology, and microbiology.
Chemistry: Inorganic and organic chemistry.
General physics
Mathematics: Calculus and statistics.
English
Liberal arts (unspecified)

There are no degree requirements for admission.

Selection Factors. Selection is based upon quality of scholastic achievement, personal suitability, and performance on the MCAT. Alberta residents are preferred, although each year out-of-province applicants are considered for 15 percent of first-year places. Interviews may be requested. All information on each candidate is considered by the Admissions Committee, and the quota is filled by the best candidates available.

Financial Aid. Loans are available under the Canada Student Loan Plan or the Province of Alberta Loan Plan to Canadian citizens or landed immigrants who have been in Canada and in Alberta for 12 months prior to the beginning of the academic term.

Timetable of Application and Acceptance for 1983-84 First-Year Class

Filing of application
  Earliest date: July 1, 1982
  Latest date: Dec. 1, 1982
School application fee: $20 for non-University of Alberta students
Acceptance notice to regular applicants
  Earliest date: July 1, 1983
  Latest date: Sept. 1, 1983

Does not have Early Decision Plan
Applicant's response to acceptance offer
  Maximum time: 2 weeks
Deposit to hold place in class (applied to tuition): $50, due with response; nonrefundable
Estimated number of new entrants: 118
Starting date: Sept. 1, 1983

Expenses per Year for 1981-82 First-Year Class

Tuition
  Canadian: $908
  Non-Canadian: $1,272
Student fees: $75

School provides microscope without charge
Total average figure for all other expenses: $5,200

Information on 1981-82 First-Year Class

Number of	*In-Province*	*Out-of-Province*	*Total*
Applicants*	412	267	679
New Entrants †	110	8	118

*38% were interviewed.
†100% were interviewed and took the MCAT; 34% had baccalaureate degrees.

NOTE: Above fees and expenses are in Canadian dollars.

The University of Calgary
Faculty of Medicine

Dr. M. Watanabe, Acting Dean
Dr. M. Bisby, Assistant Dean (Education)
Maxine E. Harding, Student Affairs Coordinator

Address inquiries to:
Admissions Office
The University of Calgary
Faculty of Medicine
2500 University Drive, N.W.
Calgary, Alberta
Canada T2N 1N4
(403) 284-6849

General Information. The Faculty of Medicine at the University of Calgary accepted its first students in September 1970. During 1972 the Faculty of Medicine moved into its permanent facilities in the Calgary Health Sciences Centre. The center has been designed to complement the objectives of the faculty's integrated teaching program.

Curriculum. Following a short introductory course, the student will proceed directly into the first two years of defined core experience, with each academic year comprising 11 months. Approximately two-thirds of the student's time will be allocated to the interdisciplinary body systems approach; the remaining period will be spent on electives and as tutorial time. The problem-solving approach combined with the curriculum design is intended to facilitate the integration between the conventional basic and clinical sciences. In the Ambulatory Care Centre, students will have the opportunity to reinforce in a clinical setting what they have learned in the core body system and will appreciate the relevance of the family and the community in health and disease. In this unit, students will primarily relate to selected full-time family physicians but will also benefit from the association with behavioral scientists and other health professionals.

At the end of the three years, students will be granted the M.D. degree, but they are expected to spend two more years in a specialized postgraduate program, such as family practice. These two years may be spent in Calgary or in any other center that provides such a postgraduate experience. However, students may elect to proceed into one of the conventional specialties or into a postgraduate area leading toward an M.Sc. or Ph.D. degree, either of which would then relate to an approved research or clinical center.

Requirements for Entrance. All students are requested to take the MCAT before anticipated enrollment. Most students have a B.A. or B.Sc. degree prior to entering the Faculty of Medicine, although a few extremely well qualified students have been admitted after two years in an arts and science program. There is some advantage to majoring in a science area, but the student who has excelled in behavioral science or any other undergraduate area may be accepted.

The following undergraduate courses are recommended: general biology, cell biology, organ physiology, organic and inorganic chemistry, biochemistry, English, physics, and one course of psychology, sociology, or anthropology.

Selection Factors. The Admissions Committee selects applicants without sex or racial discrimination and attempts to apply four criteria: undergraduate academic achievement; the interview (an attempt to assess avocational interests, motivation, and character); letters of recommendation; and the MCAT. Final applicants will be required to attend an interview at the University of Calgary at their own expense. Preference is given to Alberta residents. Rejected applicants are given the opportunity to reapply for admission. Applications from foreign nationals are discouraged.

Financial Aid. The majority of students obtain financial aid through student loans. Because the students attend school 11 months each year, summer employment is unlikely, and, therefore, financial support must be sufficient to meet their requirements over the subsequent three years. The student awards officer will provide information regarding student loans, bursaries, and awards. The financial status of the applicant does not affect acceptance into the program.

Students receive a stipend of $210 during the final 44 weeks of the third (final) year.

Timetable of Application and Acceptance for 1983-84 First-Year Class

Filing of application
  Earliest date: July 1, 1982
  Latest date: Dec. 13, 1982
School application fee after screening: $10
Acceptance notice to regular applicants
  Earliest date: April 30, 1983
  Latest date: Sept. 1, 1983
Does not have Early Decision Plan

Applicant's response to acceptance offer
  Maximum time: 15 days
Deposit to hold place in class (applied to tuition): $100, due within 15 days of offer
Deposit refundable prior to: June 15, 1983
Estimated number of new entrants: 72
Starting date: Sept. 1, 1983

Expenses per Year for 1981-82 First-Year Class

Tuition: $1,249
Student fees: $11

School provides microscope without charge
Total average figure for all other expenses: $7,500

Information on 1981-82 First-Year Class

Number of	*In-Province*	*Out-of-Province*	*Total*
Applicants*	380	590	970
New Entrants †	49	23	72

*35% were interviewed.
†100% were interviewed and took the MCAT; 68% had baccalaureate degrees.

NOTE: Above fees and expenses are in Canadian dollars.

The University of British Columbia
Faculty of Medicine

Dr. William A. Webber, Dean
Dr. Alexander Boggie, Associate Dean
Byron Hendler, Director, Awards and
Financial Aid

Address inquiries to:
Admissions Office
2194 Health Sciences Mall, University Campus
The University of British Columbia
Vancouver, British Columbia
Canada V6T 1W5
(604) 228-4482

General Information. The Faculty of Medicine of the University of British Columbia received its first students in 1950 and graduated its first class in 1954. It is an integral part of a large provincial university comprising a variety of faculties and schools with a total enrollment of 23,591 students.

Teaching in the preclinical subject areas is based in the basic medical science departments. Clinical teaching is currently carried out at the Vancouver General Hospital, St. Paul's, Shaughnessy, Children's, and Grace hospitals, J. F. McCreary Health Sciences Centre Hospital, and a number of other institutions.

The health sciences complex on the university campus comprises a large Instructional Resources Center providing lecture theatres, small group seminar rooms, audiovisual facilities, and student lounge and snack bar areas; a 60-bed Psychiatric Hospital with additional day care facilities; and a 300-bed Extended Care Unit. A 240-bed acute care hospital was opened in September 1980. Construction of new hospital facilities for the Children's Hospital and an adjoining obstetrical and gynecological hospital unit on an off-campus site is scheduled for completion in 1982.

Curriculum. The four years of instruction are broadly divided into three phases: an initial 18-month period with emphasis on the basic medical sciences, a second 18-month period of detailed clinical instruction, and a final 12-month clinical clerkship. Teaching in the first phase is carried out largely on campus, but during the latter third of this period it is transferred in part to the teaching hospitals; in the second and third phases it is largely hospital-based. The fourth year comprises a 52-week clinical clerkship (including two weeks vacation) with blocks of time assigned exclusively to clerkship experience in each of the major clinical disciplines. The clerkship also provides an eight-week elective block. The elective block can be carried out in the academic departments on campus, in the affiliated teaching hospitals, in a large number of community hospitals throughout British Columbia, or in other medical centers or institutions in Canada or abroad, subject to approval by the Clerkship Committee.

Earlier introduction of students to patients in a clinical setting, the integration and coordination of learning experiences in the basic medical sciences and clinical practice, provision of increased elective and self-study time, and the development of more effective measures for evaluation of students and of the educational program are among the major objectives of the Curriculum Committee.

Requirements for Entrance. The MCAT, a minimum of three years (90 semester hours) of accredited college course work, and a minimum of a B average or second class standing are required. The minimum subject requirements are:

	Sem. hrs.
Biology	8
General or inorganic chemistry	8
Organic chemistry	8
Qualitative and quantitative analysis and/or physical chemistry	6
General biochemistry	4
General physics	8
College mathematics Must include calculus or vector matrices or finite combinatorial mathematics.	6
English	8

Some background in the humanities and behavioral sciences is recommended.

A baccalaureate degree is not a prerequisite.

Selection Factors. Selection is not contingent upon applicants' sex, race, religion, or national origin. Those accepted are generally within the age range of 19 to 30 years. Preference is given to well qualified British Columbia residents; small numbers of candidates with superior qualifications from other Canadian provinces and other countries may be admitted. No applicant is accepted who has been required to withdraw from another medical school.

Admission is based on intellectual achievement and potential, as demonstrated by overall academic records and MCAT scores, and on qualities of personality, character, and motivation, evaluated by interviews, preprofessional committee reports, letters of reference, and an autobiographical statement submitted with the application. Applicants will be advised if a personal interview is required.

Financial Aid. Scholarships are awarded to students showing proficiency and promise in their medical school studies. Generally they are available to only those students who have been in attendance in a university in British Columbia for at least one year. These scholarships are provided through the generosity of various medical and other organizations in British Columbia and are available only to residents of British Columbia. Bursaries and loans may be applied for in any academic year.

It is recommended that students devote themselves entirely to the full-time demands of the medical course. Students' spouses may find employment through the university Personnel Office.

Timetable of Application and Acceptance for 1983-84 First-Year Class

Filing of application
  Earliest date: Aug. 15, 1982
  Latest date: Jan. 15, 1983
School application fee: $25 for students with transcripts from institutions outside British Columbia
Acceptance notice to regular applicants
  Earliest date: varies after Jan. 1983
  Latest date: July 8, 1983

Does not have Early Decision Plan
Applicant's response to acceptance offer
  Maximum time: 4 weeks
Deposit to hold place in class (applied to tuition): $100, due within 4 weeks of offer; nonrefundable
Estimated number of new entrants: 120
Starting date: Sept. 6, 1983

Expenses per Year for 1981-82 First-Year Class

Tuition: $1,094
Student must provide microscope

Total average figure for all other expenses: $5,000

Information on 1981-82 First-Year Class

Number of	*In-Province*	*Out-of-Province*	*Total*
Applicants*	341	134	475
New Entrants †	119	0	119

*71.7% were interviewed.
†100% were interviewed and took the MCAT; 52.9% had baccalaureate degrees.

NOTE: Above fees and expenses are in Canadian dollars.

The University of Manitoba Faculty of Medicine

Dr. T. W. Fyles, Acting Dean
Dr. D. P. Snidal, Associate Dean
Desmond C. Bevis, Director of Admissions

Address inquiries to:
Director of Admissions
The University of Manitoba
Winnipeg, Manitoba
Canada R3T 2N2
(204) 474-8343

General Information. The Manitoba Medical College was established in 1883 and from its beginning was affiliated with the University of Manitoba. The first class of six graduated in 1886. In 1918 the Manitoba Medical College became the Faculty of Medicine of the University of Manitoba. In 1924 it received approval as a Class A medical school. The medical buildings are adjacent to the Health Sciences Centre in Winnipeg, which is some distance from the university campus.

Teaching hospitals affiliated with the Faculty of Medicine are the General Centre (746 beds) and the Children's Centre (221 beds), both of the Health Sciences Centre; St. Boniface General Hospital (634 beds); and Deer Lodge Veterans Hospital (500 beds).

Curriculum. Medicine is a four-year course at the University of Manitoba. In the first and second years there are, on the average, 30 hours of formal instruction per week for 36 weeks. In the first year 14 weeks are devoted to normal human biology, 12 weeks to integration of structure and function of individual organ systems, and the final 9 weeks to general mechanisms of disease. The second year and the first half of the third year are devoted to the clinical sciences. During the latter half of the third year there is a 10-week elective period. The fourth year is devoted to a 48-week clinical clerkship. A pass/fail system of evaluating student performance has been adopted, and, consequently, no rank in class or grades are given.

Requirements for Entrance. The MCAT and two years of college are mandatory. The academic requirements for admission are clear senior matriculation (comparable with sophomore matriculation in U.S. colleges) and the completion of two premedical years of 28 weeks each (10 full courses) in the Faculty of Arts and Science of the University of Manitoba or its equivalent.

The following subjects must be included in the course:

	Years
Biology (with lab)	1
Inorganic chemistry	1
Organic chemistry	1
Biochemistry	1
General physics	1
English	1

In other respects, the content of the course must satisfy either the university's B.A. or B.Sc. degree requirements.

Selection Factors. Selection by the Committee on Admissions is made primarily on the basis of a composite score, calculated as follows: (i) adjusted grade point score: maximum, 40 percent; (ii) MCAT score: maximum, 30 percent; and (iii) personal assessment score: maximum, 30 percent. The personal assessment score is based on an autobiographical essay of approximately 800 words, a standardized questionnaire sent to references named by the applicant, and the results of a 30-minute interview with a panel of three interviewers. Eighty-five of the 95 places available in the entering class are filled in this way. However, about 10 percent of successful applicants with acceptable but non-competitive undergraduate performance may be selected on the basis of special premedical experience (educational or occupational) of relevance to the study and practice of medicine. Preference is given to undergraduates and graduates of the universities in Manitoba who are Canadian citizens. At the discretion of the committee, a limited number of places may be made available to undergraduates of other universities. The school does not discriminate on the basis of race, sex, creed, or national origin.

Applicants for the 1981-82 entering class with a minimum GPA of 3.50 were interviewed, and 65 percent of those interviewed were enrolled.

Financial Aid. Under the Canadian Students Loan Act, Canadians can obtain interest-free loans during their undergraduate course in medicine. Bursaries from the university and from the provincial government are available to deserving students. Students may also obtain assistance from the W. K. Kellogg Student Loan Fund and from the College of Physicians and Surgeons (Manitoba) Loan Fund. A few scholarships of smaller amounts are also available.

Timetable of Application and Acceptance for 1983-84 First-Year Class

Filing of application
  Earliest date: Oct. 1, 1982
  Latest date: Jan. 7, 1983
School application fee: $25 for University of Manitoba students; $50 for non-University of Manitoba students
Acceptance notice to regular applicants
  Earliest date: June 1, 1983
  Latest date: June 15, 1983

Does not have Early Decision Plan
Applicant's response to acceptance offer
  Maximum time: 15 days
Deposit to hold place in class (applied to tuition): $100, due with response
Deposit refundable prior to: Aug. 1, 1983 (only $25 is refundable)
Estimated number of new entrants: 95
Starting date: Sept. 1, 1983

Expenses per Year for 1981-82 First-Year Class

Tuition: $1,290
Student fees: $40

Microscope rental available from school: $25
Total average figure for all other expenses: $5,000

Information on 1981-82 First-Year Class

Number of	*In-Province*	*Out-of-Province*	*Total*
Applicants*	187	43	230
New Entrants†	95	0	95

*67% were interviewed.
†100% were interviewed and took the MCAT; 34% had baccalaureate degrees.

NOTE: Above fees and expenses are in Canadian dollars.

Memorial University of Newfoundland Faculty of Medicine

Dr. A. R. Cox, Dean
Dr. R. M. Mowbray, Associate Dean for Administration and Student Affairs
Gordon G. Mercer, Officer for Admissions and Student Affairs

Address inquiries to:
Chairman
Committee on Admissions
Memorial University of Newfoundland
Faculty of Medicine
St. John's, Newfoundland
Canada A1B 3V6
(709) 737-6615

General Information. Memorial is the only university in the province of Newfoundland. The university was established as Memorial University College in 1925 and incorporated as a university in 1949. In 1959 campus buildings were erected on a 1,000-acre site. There are some 9,000 undergraduates and a faculty of about 850 working on the campus, which is situated on the periphery of St. John's. The medical school is one of the four most recently established in Canada. It is housed in the Health Sciences Centre with General Hospital (320 beds) and a biomedical library.

Approved teaching programs for interns and residents are under the direction of the medical school. These programs are based at associate hospitals in St. John's and other provincial centers with a total bed complement of 3,116 covering inpatient and outpatient services in virtually all branches of medicine. Research work is being conducted both in the hospitals and in the Health Sciences Centre.

Residences for single and married students are provided on the campus, and the university maintains a list of approved off-campus accommodations. A health service is open to all students.

Curriculum. The curriculum, the physical structure, and the administrative organization of the school were planned to allow for maximum cooperation between the various basic medical and clinical disciplines. A minimum of two years of premedical study (at least one year beyond senior matriculation) will be followed by the medical course and a bachelor of medical science degree awarded at the end of the second year of the medical course. The M.D. degree will be granted on completion of the fourth year, at which time Medical Council of Canada Examinations may be taken. The fourth year will be a clinical clerkship replacing the traditional internship.

During the first year of the medical program, students study cell structure and function, biochemistry, physiology of excitable tissues, molecular genetics, nutrition/pharmacology, microbiology, and core anatomy and take courses in behavioral science and community medicine. They are introduced to patients in the hospital and in the community, and these opportunities are provided in a wide range of medical settings—family practice, general hospital, cottage hospital, and public health programs.

Teaching in subsequent years will have a systems approach; material from anatomy, physiology, pathology, and clinical medicine will be presented in an integrated manner. A considerable portion of time is given for electives in the first, second, and fourth years. These electives take the form either of projects in which the student will investigate research problems or of a more formal in-depth study of a particular subject.

The first academic year of medicine comprises approximately 37 weeks. The second and third years consist of approximately 65 weeks (five semesters). The fourth year (clinical clerkship) has three semesters with 64 weeks.

Requirements for Entrance. The MCAT and a minimum of two years of college are required.

The minimum academic requirements for admission are 20 courses (each of one semester's duration or the equivalent). The course of study must include two courses in each of the following:

	Semesters
General chemistry	2
Organic chemistry (second-year level)	2
College mathematics	2
English	2

Recommended courses include biology, physical chemistry, physics, and behavioral science.

Selection Factors. The school admits students on the basis of residency priority as follows: bona fide residents of Newfoundland and Labrador, New Brunswick, the Maritime Provinces, and other parts of Canada. Occasionally a student from another country is admitted. In every case a high academic standard is required.

Timetable of Application and Acceptance for 1983-84 First-Year Class

Filing of application
  Earliest date: Nov. 1, 1982
  Latest date: Jan. 15, 1983
School application fee to all applicants: $25
Acceptance notice to regular applicants
  Earliest date: April 29, 1983
  Latest date: Aug. 5, 1983

Does not have Early Decision Plan
Applicant's response to acceptance offer
  Maximum time: 14 days
Deposit to hold place in class (applied to tuition): $100, due with response; nonrefundable
Estimated number of new entrants: 56
Starting date: Sept. 6, 1983

Expenses per Year for 1981-82 First-Year Class

Tuition: $760
Student fees: $48

School provides microscope without charge
Total average figure for all other expenses: $3,580

Information on 1981-82 First-Year Class

Number of	*In-Province*	*Out-of-Province*	*Total*
Applicants	128	427	555
New Entrants*	46	10	56

*97% took the MCAT; 50% had baccalaureate degrees.

NOTE: Above fees and expenses are in Canadian dollars.

Dalhousie University
Faculty of Medicine

Dr. J. Donald Hatcher, Dean
Dr. Byron L. Reid, Assistant Dean,
Student Affairs and Admissions
Robert D. Tennant, Jr., Assistant
Director of Awards

Address inquiries to:
Admissions Office
15th Floor, Sir Charles Tupper Medical Building
Dalhousie University
Faculty of Medicine
Halifax, Nova Scotia
Canada B3H 4H7
(902) 424-7068; 424-3591

General Information. Dalhousie University, a privately endowed institution founded in 1838, established a Faculty of Medicine in 1868. The main responsibility of the Faculty of Medicine is to the three Maritime Provinces of Canada (Nova Scotia, New Brunswick, and Prince Edward Island), which have a population of some 1.6 million.

The teaching hospitals located in the immediate vicinity of the medical school have a total of 2,500 beds covering inpatient and outpatient services in all branches of medicine.

University housing and comprehensive Student Health Service are available.

Curriculum. The four-year course of study in the university aims at providing a basic education that will permit a student to enter any field of medical practice or research.

The undergraduate program is designed to present the student with a limited, but essential, amount of material—commonly called core knowledge. However, totally independent study as well as a more formal elective program is also emphasized.

The curriculum is designed to unify the preclinical sciences and the clinical disciplines. The traditional divisions of medicine are represented by the departments in the medical school. To a large extent, the teaching activities of these departments are merged into coordinated learning blocks that are based on the various body systems; as the student learns about the human being in health and disease, the unity and interdependence of the various subjects are emphasized.

The academic year extends from early September to the end of May in the first three years. The duration of the clinical clerkship is 12 months. The M.D. degree is granted upon the completion of the fourth year.

Rotating internships and straight internships in medicine, pediatrics, psychiatry, and family medicine are available. These university-arranged and supervised programs are conducted with the cooperation of hospitals in the Maritime Provinces, which provide the facilities of one or more of their clinical services. Participating hospitals differ from year to year depending upon the requirements of the program.

The rotating internship consists of eight weeks each in internal medicine, surgery, obstetrics/gynecology, and pediatrics; four 4-week blocks devoted to psychiatry; emergency and elective experience; and four weeks of vacation.

The Faculty of Medicine maintains an active program of continuing medical education for practicing physicians of the Maritime Provinces in addition to the undergraduate course outlined above. An active research program is carried on in all the basic science departments and in most of the clinical departments.

Requirements for Entrance. A university degree, the MCAT, and a valid first aid certificate from St. John Ambulance or its equivalent are absolute requirements. The undergraduate course of studies is assumed to have provided some specialization, and it must have included the following courses:

	Semesters
General biology	2
General or inorganic chemistry	2
Organic chemistry	2
General physics	2
English	2

Applications from very well qualified students from other provinces and countries will be considered for up to 10 percent of the entering places in each class. Unless such nonresident applicants have reasonable prospects of being accepted at their local medical school, they should not expect to be accepted at Dalhousie and would be well advised not to apply.

Selection Factors. In selecting students for admission, priority is given to residents of the Maritime Provinces. For the remaining places, preference is given to other Canadians.

Sources of information and factors considered by the Admission Committee include: academic requirements, ability as judged on high school and university records and on the MCAT, confidential assessments received from referees of the applicant's choice and from any others the committee may wish to consult, interviews (selected applicants only), place of residence, health assessment, and age. Detailed comments and explanations on these selection factors may be obtained in the Faculty of Medicine *Calendar*.

Financial Aid. A few entrance scholarships and entrance bursaries are awarded to students in the first year who are residents of the Maritime Provinces. A number of bursaries and prizes are available in each year. The university maintains a loan fund which is interest-free until graduation. Applicants are advised not to plan to earn money in time-consuming work which may jeopardize their academic standing.

Information for Minorities. Students from minority groups will be considered on their individual merits.

Timetable of Application and Acceptance for 1983-84 First-Year Class

Filing of application
  Earliest date: Oct. 1, 1982
  Latest date: Dec. 15, 1982
School application fee to all applicants: $15
Acceptance notice to regular applicants
  Earliest date: Feb. 1983
  Latest date: June 1983

Does not have Early Decision Plan
Applicant's response to acceptance offer
  Maximum time: 4 weeks
Deposit to hold place in class (applied to tuition): $100, due when notified; nonrefundable
Estimated number of new entrants: 96
Starting date: Sept. 6, 1983

Expenses per Year for 1981-82 First-Year Class

Tuition
  Canadian: $1,324
  Non-Canadian: $2,074
Student fees: $60

School provides microscope without charge
Total average figure for all other expenses: $4,050

Information on 1981-82 First-Year Class

Number of	*In-Maritimes*	*Out-of-Maritimes*	*Total*
Applicants*	221	173	394
New Entrants †	89	7	96

*100% of applicants from the Maritime Provinces were interviewed.
†100% were interviewed and took the MCAT; 70% had baccalaureate degrees.

NOTE: Above fees and expenses are in Canadian dollars.

McMaster University
School of Medicine

Dr. J. Laidlaw, Dean, Faculty of Health Sciences
Dr. D. V. Catton, Chairman, M.D. Undergraduate Admissions Committee
Elaine Rhodes, Assistant Registrar (Health Sciences)

Address inquiries to:
Assistant Registrar (Health Sciences)
Admissions and Records, Room 137
McMaster University
1200 Main Street West
Hamilton, Ontario
Canada L8N 3Z5
(416) 525-9140, Ext. 2114

General Information. The McMaster University School of Medicine was established in 1965. It offers major programs at all levels in medical education, in scientific research, and in health services. The clinical programs use the teaching hospital and extensive ambulatory facilities of the McMaster University Medical Centre but also involve clinical teaching units at each of the major Hamilton hospitals and community health care centers. The Undergraduate Medical Program was initiated in 1969, and the first class of students graduated in May 1972.

Curriculum. The three-year program (11-month academic year) in medicine at McMaster uses an approach to learning that will apply throughout the physician's career. The components have been organized in a relevant and logical manner with early exposure to patients. Flexibility is ensured to allow for the variety of student backgrounds and career goals.

The graduates of McMaster's M.D. program will have acquired or developed the knowledge, ability, and attitudes necessary to qualify for further education in any medical career. The general goals for students in the program include the following: the development of competency in problem-based learning methods and in problem-solving, the development of desirable personal characteristics and attitudes, the development of clinical skills, and the development of self-directed learning.

To achieve the objectives of the M.D. program, students are introduced to patients and their problems within the first phase. Moreover, they are presented with a series of major biomedical problems and questions requiring the understanding of principles and data collection. Much of the student's learning occurs within the setting of the small group tutorial. Faculty members serve as tutors or as sources of expert knowledge.

Throughout the course students are evaluated in a variety of ways, especially by day-to-day assessment of performance.

The M.D. curriculum is composed of four phases and four blocks of elective time plus a revision period. Phase I introduces the student to problem-solving and problem-based learning in a tutorial setting. It deals with the concepts of growth, aging, and development. Phase II presents problems relating to the response of cells, tissue, organs, and the organism to stimuli. Phase III is divided into different units based on an organ-system approach. The main theme is structure and function in health and disease with an emphasis on the mechanisms of disease and relating clinical symptoms to basic physiological and pathological processes. Phase IV is the clinical clerkship year. Clinical application of basic medical science concepts is emphasized.

Requirements for Entrance. Completion of a minimum of three years at a recognized university with at least a second class (B) overall average is required. The MCAT is not required.

Applicants over the age of 30 will be accepted only when they are considered to be clearly more suitable than younger candidates. Similarly, applicants who are not Canadian citizens or landed immigrants in Canada will be accepted only when they are considered to be clearly more suitable on all criteria than Canadian candidates.

Both academic achievement and personal qualities are considered. Academic achievement is assessed on the basis of course grades. Personal qualities are assessed on the basis of an autobiographical letter, a biographical sketch, three references, an individual interview, and a group interview.

Applicants from nonbiological university backgrounds are considered equally with students from biological university backgrounds.

Some weighting according to bona fide residence will be applied according to the following priorities: Hamilton Health Region and northwestern Ontario, other areas of Ontario, other Canadian provinces, and other countries.

Selection Factors. Students and members of the community as well as faculty members are involved in the review of applicants. The aim is to select students who not only have the necessary academic standards but also display characteristics which are deemed to be important for the practice of medicine. These include characteristics that suggest sensitivity to the needs of the community; sensitivity to the emotional, psychological, and physical aspects of patients; the ability to detect and solve problems; the ability to learn independently; the ability to function as a member of a small group; and the ability to plan one's career in a way that reflects the needs of the community.

Applicants rating highest in academic achievement and in personal qualities will be invited for an interview at McMaster. From these applicants, 100 students will be selected to fill the entering class.

Financial Aid. McMaster medical students, in addition to facing the general scarcity of financial assistance, are unable to rely on summer employment as a source of funds.

In this situation, it is incumbent on students admitted to the M.D. program to clarify immediately their fiscal situations and to secure or identify sufficient support to meet their financial obligations over the subsequent three years.

There are some government programs (available only to Canadians) and private agencies which offer financial assistance to medical students. The School of Medicine administers a very small loan and bursaries program with a view to supplementing financial resources of some students enrolled in the M.D. program.

Timetable of Application and Acceptance for 1983-84 First-Year Class

School participates in OMSAS. See Chapter 11.

Application must be made through Ontario
Medical School Application Service (OMSAS),
Ontario Universities Application Centre,
P.O. Box 1328, Guelph, Ontario
Canada N1H 7P4
Filing of OMSAS application
Earliest date: July 1, 1982
Latest date: Nov. 15, 1982
School application fee: none

Acceptance notice to regular applicants
Earliest date: May 27, 1983
Latest date: July 8, 1983
Does not have Early Decision Plan
Applicant's response to acceptance offer
Maximum time: 2 weeks
Deposit to hold place in class: none
Estimated number of new entrants: 100
Starting date: Sept. 6, 1983

Expenses per Year for 1981-82 First-Year Class

Tuition
Canadian: $1,863
Non-Canadian: $2,856

School provides microscope without charge
Total average figure for all other expenses: $7,200

Information on 1981-82 First-Year Class

Number of	*In-Province*	*Out-of Province*	*Total*
Applicants*	1,821	743	2,564
New Entrants †	89	11	100

*17% were interviewed.

†100% were interviewed; 90% had baccalaureate degrees.

NOTE: Above fees and expenses are in Canadian dollars.

University of Ottawa School of Medicine

Dr. Gilles D. Hurteau, Dean
Dr. Maurice Beaulieu, Assistant Dean, Undergraduate Student Affairs
Michel Leduc, Director, Student Financial Aid Service

Address inquiries to:
Admissions, Faculty of Health Sciences
University of Ottawa
School of Medicine
451 Smyth Road
Ottawa, Ontario
Canada K1H 8M5
(613) 231-7000

General Information. The University of Ottawa received its charter from the province of Ontario in 1866. It was founded by the Missionary Oblates of Mary Immaculate, who were its administrators until 1965, when important structural reforms were introduced through an act of the legislative assembly of the province of Ontario. The management of the university is now under the Board of Governors consisting of members from various sectors of the community. The management, discipline, and control of the university are free from the restrictions and control of any outside body, whether lay or religious. The Faculty of Medicine was established in 1945. In 1978 the health sciences were regrouped into the Faculty of Health Sciences comprising the School of Medicine, the School of Nursing, and the School of Human Kinetics.

Curriculum. The School of Medicine desires that all graduates have a comprehensive knowledge and a range of experience to qualify them for license to practice and to engage competently in primary or family health care and to permit them to move into any area of postgraduate training with firm capabilities as general physicians.

In the instruction given during the first two medical years, large class lecture time has been reduced while time spent in small group teaching, seminars, tutorials, and supervised study periods has increased. Interdepartmental courses have been introduced. The third year consists of two months of systems teaching and six months of full-time clinical clerkships. A 48-week clerkship in the fourth year may take the place of the post-M.D. rotating internship. Graduates may omit the latter and proceed to a straight internship year.

April 1 is the deadline to submit an application for transfer for the following September. The structure of the new curriculum of the School of Medicine of the University of Ottawa precludes consideration of transfers from another medical school to any but the second medical year should there be a vacancy. The School of Medicine strongly suggests that candidates applying for a transfer take Part I of the NBME examinations. Because of systems teaching, admission to the third and fourth medical year cannot be granted.

Requirements for Entrance. The MCAT is compulsory for admission.

Students in the following categories are eligible to apply for admission to the first year of the four-year program in the School of Medicine.

1. Students who have completed successfully in an Ontario university the first two years of a B.Sc. of B.A. program. Required course work must include:

	Years
General biology or zoology	1
General or inorganic chemistry	1
Organic chemistry	1
Physics	1

2. Students of other universities who have completed studies equivalent to those listed above. (Equivalence is determined by the University of Ottawa School of Medicine.)

Selection Factors. Academic excellence is the primary selection criterion used by the Admissions Committee. It is measured by an assessment of marks and by a comparison of the applicant's academic record in relationship with those of the other applicants.

Due to limited facilities (84 places), consideration for admission will be given only to those eligible candidates who have maintained an overall academic average during the university years of at least B+ (or the equivalent GPA). It is to be noted that meeting the above minimum standard does not guarantee admission. No preference is given to academic achievement in one program over another as long as the prerequisites for eligibility have been met. No quota is predetermined before the selection is made; each file meeting the requirements is studied individually.

No candidate will be admitted without an interview, and the rating of the interview and of other nonacademic data will be taken into account in the admission process.

Sex, race, religion, and socioeconomic status play no part in the selection process. Only applications from Canadian citizens or landed immigrants can be considered, with one exception: applications from children of alumni of the University of Ottawa.

The courses are given in English. In keeping with the philosophy of the University of Ottawa and its charter, knowledge of both official languages will be an asset (but not a prerequisite).

Financial Aid. Students who are Canadian citizens may apply through the Student Financial Aid Office of the university to their respective provincial governments for grant or loan assistance. The Ontario Medical Association Bursaries and Loan Fund, the Kellogg Foundation Loan Fund, and a special bursaries fund are administered by the Awards Committee of the School of Medicine. The Association of Professors of the University also provides a limited number of bursaries. Most of these awards are made on the basis of demonstrable financial need and good academic standing.

Timetable of Application and Acceptance for 1983-84 First-Year Class

School participates in OMSAS. See Chapter 11.

Application must be made through Ontario
Medical School Application Service (OMSAS),
Ontario Universities' Application Centre,
P.O. Box 1328, Guelph, Ontario
Canada N1H 7P4
Filing of OMSAS application
Earliest date: July 1, 1982
Latest date: Nov. 15, 1982
School application fee: none

Acceptance notice to regular applicants
Earliest date: May 1983
Latest date: Aug. 1983
Does not have Early Decision Plan
Applicant's response to acceptance offer
Maximum time: 2 weeks
Deposit to hold place in class (applied to tuition):
$100, due with response; nonrefundable
Estimated number of new entrants: 84
Starting date: Sept. 6, 1983

Expenses per Year for 1981-82 First-Year Class

Tuition: $1,115
Student fees: $102

Microscope rental available from school: $15
Total average figure for all other expenses:
$5,300

Information on 1981-82 First-Year Class

Number of	*In-Province*	*Out-of-Province*	*Total*
Applicants*	1,470	537	2,007
New Entrants †	69	14	83

*25% were interviewed

†100% were interviewed and took the MCAT; 40% had baccalaureate degrees.

NOTE: Above fees and expenses are in Canadian dollars.

Queen's University Faculty of Medicine

Dean (appointment pending)
Dr. D. W. Einarson, Admissions Officer

Address inquiries to:
Admissions Office
Queen's University
Faculty of Medicine
Kingston, Ontario
Canada K7L 3N6
(613) 547-5967

General Information. Queen's University Faculty of Medicine, established in 1854, is an integral part of a university of more than 10,000 full-time students. The campus is situated within the city of Kingston, which is located on Lake Ontario at the origin of the St. Lawrence River, and has an urban and suburban population of 98,000.

Preclinical instruction is given in buildings on the campus. Clinical instruction is conducted in the Kingston General Hospital, immediately adjacent to the campus, the Hotel Dieu Hospital, and a number of specialized hospitals.

Curriculum. The main objective of the four-year program is to afford students the maximum opportunity to develop the knowledge, skills, and attitudes that will best motivate and equip them to choose the field of endeavor most appropriate to their talents, to continue their education throughout their career, and to perform in their chosen field with maximum effectiveness. Curricula and educational methods are under continual scrutiny with this main objective in view.

The first year is committed largely to the study of the basic sciences, but clinical exposure is introduced in the Medical Science Rounds, an interdisciplinary program. Greater emphasis is placed on clinical studies in Year II when the multidisciplinary course in clinical skills prepares the student for clinical training during the second half of Year II and during Year III. The fourth year is a 52-week clinical clerkship and includes an eight-week elective period. Grading is on the honors/pass/fail system.

Requirements for Entrance. The minimum requirement for admission is two full years of university work beyond the Grade XIII or equivalent level. All applicants are requested to take the MCAT. Credit must be obtained for at least one full university course in each of the following:

	Courses
General biology (with lab)	1
General or inorganic chemistry (with lab)	1
Organic chemistry (with lab)	1
General physics (with lab)	1

A baccalaureate degree is not required, and no preference is shown to candidates completing sophomore, junior, or senior years with the exception that about 50 percent of the places may be offered to applicants having minimum requirements. It is anticipated that candidates registered in a graduate program will wish to complete the degree and will not normally be considered for admission before the final year of the program. All the requirements for the degree should be completed prior to registration.

The Admissions Committee does not give preference to applicants from any one of the undergraduate programs. Consequently, students from faculties of science, applied science, and arts will be equally considered, providing the prerequisite requirements have been completed.

Selection Factors. In selecting applicants, the Admissions Committee considers all information submitted on behalf of the candidate. Scholastic achievement is very important, but letters of reference and personal data are also heavily weighted.

Place of residence and location of the undergraduate university are not criteria in the selection process. However, applications will be considered only from candidates who are Canadian citizens or have obtained landed immigrant status prior to the deadline for receipt of application. Exceptions to this rule are foreign applicants who are sponsored through their government by the Canadian International Development Agency (CIDA) or other appropriate agency and children of alumni of Queen's University who reside outside Canada.

It is expected that successful applicants will have achieved at least a mid-B average in their undergraduate studies; however, each year and subject is evaluated separately. No preference is shown to applicants with graduate degrees.

Students entering in 1981 presented the following MCAT profile (mean score and range): *B*-9.6 (5-14); *C*-10.0 (4-13); *P*-10.0 (5-14); *SP*-10.0 (4-13); *SA:R*-9.4 (4.13); *SA:Q*-10.0 (5-14).

Financial Aid. Numerous scholarships and prizes are awarded at the end of each year. A number of bursaries and loan funds are available and may be applied for in any year of the program. Ontario students are also eligible for assistance under the Province of Ontario Student Assistance Program.

Timetable of Application and Acceptance for 1983-84 First-Year Class

School participates in OMSAS. See Chapter 11.

Application must be made through Ontario
  Medical School Application Service (OMSAS),
  Ontario Universities' Application Centre,
  P.O. Box 1328, Guelph, Ontario
  Canada N1H 7P4
Filing of OMSAS application
  Earliest date: July 1, 1982
  Latest date: Nov. 15, 1982
School application fee: none

Acceptance notice to regular applicants
  Earliest date: May 31, 1983
  Latest date: Sept. 6, 1983
Does not have Early Decision Plan
Applicant's response to acceptance offer
  Maximum time: 10 days
Deposit to hold place in class: none
Estimated number of new entrants: 75
Starting date: Sept. 6, 1983

Expenses per Year for 1981-82 First-Year Class

Tuition
  Canadian: $1,150
  Non-Canadian: $1,820
Student fees: $124

School provides microscope without charge
Total average figure for all other expenses:
  $5,000

Information on 1981-82 First-Year Class

Number of	*In-Province*	*Out-of-Province*	*Total*
Applicants*	1,657	676	2,333
New Entrants†	61	14	75

*17.2% were interviewed.

†73.3% were interviewed; 94.6% took the MCAT; 42.6% had baccalaureate degrees.

NOTE: Above fees and expenses are in Canadian dollars.

University of Toronto
Faculty of Medicine

Dr. F. H. Lowy, Dean
Dr. E. Llewellyn-Thomas, Associate Dean
D. Alli, Financial Aid Officer

Address inquiries to:
Admissions Officer
University of Toronto
Faculty of Medicine
Toronto, Ontario
Canada M5S 1A8
(416) 978-2717

General Information. The medical school was founded in 1843 as part of King's College, which later became the University of Toronto. The school is a faculty of the university and, as such, receives support from the government of Ontario.

Curriculum. The four-year curriculum, begun in 1976, is primarily systems oriented. The first year is devoted to the study of normal structure and function and consists of lectures, seminars, and laboratory instruction in the basic medical sciences. The second and third years cover the mechanisms of disease in an integrated didactic-clinical program. Teaching is conducted in the Medical Sciences Building and affiliated teaching hospitals. The fourth year is a 48-week clerkship carried on in the wards, laboratories, and ambulatory care units of the affiliated teaching hospitals. These include Sunnybrook, Toronto General, St. Michael's, Toronto Western, Wellesley, Princess Margaret, Mount Sinai, Women's College, and Lyndhurst hospitals, Hospital for Sick Children, and Clarke Institute of Psychiatry.

Requirements for Entrance. The MCAT is required. A minimum of Grade XIII plus two years of college (in a Canadian university) or Grade XII plus four years of college (in a non-Canadian university) is required. Applicants who have taken premedical studies in a university outside of Canada must have obtained a bachelor's degree.

Enrollment in the first-year class is 252 students. Because the enrollment in each year is limited, the Faculty of Medicine is unable to accept applications for transfer from students enrolled in other medical schools.

All applicants are required to have satisfactorily completed the following courses:

Biology or zoology (with lab): One full-year course either in Grade XIII or Level 5 or in an appropriate university level course.
General chemistry (with lab): A university course of one year's duration. Quantitative or qualitative analysis and physical chemistry are acceptable.
Organic chemistry (with lab): A university course of one year's duration.
Physics (with lab): One full-year course either in Grade XIII or Level 5 or in an appropriate university level course.

Selection Factors. Applicants are judged primarily upon their academic records. In addition, attention is paid to the results of the MCAT, statements of referees, and an autobiographical letter. Applicants may be requested to appear for an interview. It is rare for the Faculty of Medicine to accept applicants who are over 30 years old. Definite preference is given to Ontario applicants. No more than 25 places will be offered to outstanding non-Ontario applicants, and of these, a maximum of 12 places will be offered to student visa applicants. Sex, race, religion, and color are not considered in determining those applicants to whom places are offered.

Applicants are considered alphabetically commencing on the latest date stipulated for filing of applications.

Financial Aid. Financial aid is available under the Province of Ontario Student Assistance Program and the Canada Student Loan Program. Applicants are referred to the publications of the Department of University Affairs for details of the regulations governing these awards. Applicants are advised not to plan to earn money in time-consuming work which may jeopardize their standing during the academic year.

Timetable of Application and Acceptance for 1983-84 First-Year Class

School participates in OMSAS. See Chapter 11.

Application must be made through Ontario Medical School Application Service (OMSAS), Ontario Universities' Application Centre, P.O. Box 1328, Guelph, Ontario Canada N1H 7P4

Filing of OMSAS application
  Earliest date: July 1, 1982
  Latest date: Nov. 15, 1982

School application fee: none

Acceptance notice to regular applicants
  Earliest date: May 1983
  Latest date: varies

Does not have Early Decision Plan

Applicant's response to acceptance offer
  Maximum time: 2 weeks

Deposit to hold place in class: none

Estimated number of new entrants: 252

Starting date: Sept. 6, 1983

Expenses per Year for 1981-82 First-Year Class

Tuition
  Canadian: $1,198
  Non-Canadian: $1,773

Student fees: $156

Microscope rental available from school: $15 (maintenance fee)

Total average figure for all other expenses: $6,000

Information on 1981-82 First-Year Class

Number of	*In-Province*	*Out-of-Province*	*Total*
Applicants	1,654	574	2,228
New Entrants*	237	12	249

*100% were interviewed and took the MCAT; 42% had baccalaureate degrees.

NOTE: Above fees and expenses are in Canadian dollars.

The University of Western Ontario
Faculty of Medicine

Dr. M. J. Hollenberg, Dean
Dr. J. H. Watson, Assistant Dean, Admissions
J. E. McClure, Student Awards Director

Address inquiries to:
Associate Registrar, Admissions
Stevenson-Lawson Building
The University of Western Ontario
London, Ontario
Canada N6A 5B8
(519) 679-6530

General Information. The Faculty of Medicine of the University of Western Ontario had its origin in 1882 and came under the direct control of the university in 1912. The University of Western Ontario is a private university but in receipt of government grants in common with other universities of Ontario having faculties of medicine.

For the internship year students are free to choose any approved Canadian hospital or a university affiliated hospital in the United States. The teaching hospitals, incorporating the clinical science departments, are approved for graduate training leading to certification in the Royal College of Physicians and Surgeons of Canada.

Curriculum. The undergraduate medical curriculum provided by the Faculty of Medicine is designed to permit the acquisition of a core of fundamental knowledge and of the basic technical skills and to assist in developing attitudes that will form a basis for further postgraduate or graduate study leading to family medicine, other clinical specialties, and basic or clinical research.

Students are introduced to patients in the first year in a clinical methods course in which interviewing, history-taking, and the physical examination are taught. The effect of illness on the family is examined in the medicine and society course. Other courses in the first year include gross anatomy, histology, biochemistry, physiology, biophysics, microbiology, pathology, and pharmacology; the relationships of these basic sciences are examined in the intergrative biology course. Several basic and clinical science departments cooperate in an integrated neuroscience and mind course which begins in the latter part of the first year.

In the second year, the clinical methods, microbiology, pathology, pharmacology, and neuroscience and mind courses are completed. There is a course in therapeutics. The second year culminates in an interdisciplinary introduction to the clinical clerkship, which integrates the foregoing material in relation to major body systems and prepares the student for the clinical clerkship which follows in the third year.

The third year is a full 12-month clinical clerkship providing opportunity for rotation through the various clinical services in the teaching hospitals and family medical centers.

The fourth year is largely elective, permitting the student to pursue special clinical or basic science interests, including family medicine. A counseling service is available to assist students in the planning of this program.

Approximately 40 percent of the timetable in the first two years of the curriculum is unscheduled to permit the student to pursue various elective courses.

Requirements for Entrance. The MCAT is required. Grade XIII and a minimum of two years of college are required.

Students who have successfully completed a program at an Ontario university which included a minimum of four honors courses within the first 10 courses attempted are eligible to apply. Applications are also accepted from individuals who are in the final year or who have completed a graduate or undergraduate degree program at a recognized university.

Prior to being permitted to register in the Faculty of Medicine, applicants who are granted admission are advised to have completed the following courses:

	Years
Biology (with lab)	1
Chemistry (with lab)	1
General physics (with lab)	1

Applicants are required to have demonstrated competence in organic chemistry to the level of the first full course in organic chemistry offered at this university.

One course in behavioral science is recommended.

Selection Factors. Admission is based primarily on ability and premedical achievement, as demonstrated by the academic record. In recent years only a very few applicants with a GPA of less than 3.5 for their last two undergraduate years have been offered admission. Race, sex, creed, and national origin are not considered in selection.

Priority is given, all other things being equal, to Canadian citizens or landed immigrants who are residents of Ontario. Applications will not be accepted from applicants who are not Canadian citizens or landed immigrants. Two positions may be available for students supported by the Canadian International Development Agency (CIDA).

Financial Aid. Financial aid is available to students through numerous bursaries and scholarships listed in detail in the *Announcement* of the Faculty of Medicine.

The Ministry of Colleges and Universities of Ontario provides to residents of the province loan funds which carry no interest until after graduation and then at a very low rate; these may be repaid in small installments.

Information for Minorities. No formal program exists for minority groups. Special attention will be given to eligible minority group applicants. The curriculum may be modified to suit individual requirements.

Timetable of Application and Acceptance for 1983-84 First-Year Class

School participates in OMSAS. See Chapter 11.

Application must be made through Ontario
  Medical School Application Service (OMSAS),
  Ontario Universities' Application Centre,
  P.O. Box 1328, Guelph, Ontario
  Canada N1H 7P4
Filing of OMSAS application
  Earliest date: July 1, 1982
  Latest date: Nov. 15, 1982
School application fee: none

Acceptance notice to regular applicants
  Earliest date: May 1983
  Latest date: early Sept. 1983
Does not have Early Decision Plan
Applicant's response to acceptance offer
  Maximum time: 14 days
Deposit to hold place in class: none
Estimated number of new entrants: 105
Starting date: Sept. 7, 1983

Expenses per Year for 1981-82 First-Year Class

Tuition and fees
  Canadian: $1,425 (approx.)
  Non-Canadian: $2,135 (approx.)

Student must provide microscope
Total average figure for all other expenses: $4,500

Information on 1981-82 First-Year Class

Number of	*In-Province*	*Out-of-Province*	*Total*
Applicants*	1,578	367	1,945
New Entrants †	102	3	105

*14% were interviewed.

†100% were interviewed and took the MCAT; 41% had baccalaureate degrees.

NOTE: Above fees and expenses are in Canadian dollars.

Laval University Faculty of Medicine

Dr. Jean Rochon, Dean
Dr. Claude Bélanger, Chairman, Admission Committee
Dr. Yvette B. Larochelle, Admission Officer

Address inquiries to:
Secretary, Admission Committee
Laval University
Faculty of Medicine
Ste-Foy, Quebec
Canada G1K 7P4
(418) 656-2492

General Information. Laval University, a private institution, was established in 1852 by a Royal Charter granted by Queen Victoria. It was named after Monsignor de Laval, first bishop of Quebec.

Research opportunities are provided in all the basic sciences and in many fields of clinical investigations. The clinical teaching is provided through a network of six major affiliated hospitals and five minor affiliated hospitals. Residence accommodations are provided for many students. There is a University Health Service for students as well as vocational guidance and counseling services.

Curriculum. The training of candidates to the medical practice comprises three phases. A first phase of basic sciences and preclinical studies of three years leads to a first diploma, the bachelor of health sciences (medicine), which gives access to clinical clerkship. After a second phase of 14 months in the hospital where general medical training is given, the clerk obtains the diploma of doctor of medicine. The third phase allows candidates to orient themselves in general practice by completing at least one year of internship in an affiliated hospital or work toward a specialty in pursuing postgraduate studies in any one of the various programs.

Electives, available throughout the program, represent some 20 percent of the student time. The letter grading system (A, B, C, D, E, F) is generally used; the pass/fail system is used for a few courses only.

Requirements for Entrance. Since all instruction is in French, fluency in the French language is an essential prerequisite.

Under the present Quebec educational system, the minimum requirements are two years of college (Health Sciences Program) and the diploma of collegial studies of the Ministry of Education (D.E.C.).

For other applicants, the college curriculum should provide a wide cultural background, including behavioral and social sciences.

Specific course requirements are:

	Sem. hrs.
General biology (with lab)	8
General or inorganic chemistry (with lab)	8
Organic chemistry (with lab)	8
General physics (with lab)	12
Mathematics through calculus Must include analytical geometry, college algebra, and trigonometry.	12
French	
Humanities	
Behavioral and social sciences	

The MCAT is not required, although the scores are considered when available.

Selection Factors. Preference is given to students from the province of Quebec. However, a few outstanding French-speaking candidates are admitted from other Canadian provinces.

Candidates are selected on the basis of a few parameters: scholastic achievement, personal interview, letters of recommendation, and occasionally a psychometric test. Sex, race, religion, age, and socioeconomic status are not considered in the selection process.

Financial Aid. Financial aid is available to resident students through the Bursaries Division of the Provincial Ministry of Education. Summer scholarships of $1,000 to $2,000 are also available to students who wish to devote their vacation period to research.

Timetable of Application and Acceptance for 1983-84 First-Year Class

Filing of application
  Earliest date: Dec. 1, 1982
  Latest date: March 1, 1983
School application fee to all applicants: $15
Acceptance notice to regular applicants
  Earliest date: May 15, 1983
  Latest date: Aug. 15, 1983

Does not have Early Decision Plan
Applicant's response to acceptance offer
  Maximum time: 4 weeks
Deposit to hold place in class: none
Estimated number of new entrants: 160
Starting date: Aug. 29, 1983

Expenses per Year for 1981-82 First-Year Class

Tuition
  Canadian: $684
  Non-Canadian: $1,584
Student fees: $40

School provides microscope without charge
Total average figure for all other expenses: $4,020

Information on 1981-82 First-Year Class

Number of	*In-Province*	*Out-of-Province*	*Total*
Applicants*	1,015	62	1,077
New Entrants †	160	0	160

*49% were interviewed.

†100% were interviewed; 2% took the MCAT; 16% had baccalaureate degrees.

NOTE: Above fees and expenses are in Canadian dollars.

McGill University
Faculty of Medicine

Dr. Richard L. Cruess, Dean
Dr. W. L. Ogilvy, Associate Dean (Admissions)
Judy Stymest, Director of Student Aid

Address inquiries to:
Admissions Office
McGill University
Faculty of Medicine
3655 Drummond Street
Montreal, Quebec
Canada H3G 1Y6
(514) 392-4232

General Information. The Faculty of Medicine at McGill University was established in 1829. Its aim is to graduate doctors particularly well trained in both the basic and clinical medical sciences. The faculty regards its work as a branch of university education and attracts students of the best caliber. Research opportunities are provided in all of the basic medical sciences and in many fields of clinical investigation. McGill has four university teaching hospitals, nine university affiliated hospitals, and many research units, clinics, laboratories, and residences, as well as health, vocational guidance, and counseling services.

Curriculum. There are four academic years in the curriculum. It is divided into three phases: Phase I, beginning of Year I to end of November of Year II (48 weeks) —basic biological and medical sciences; Phase II, December of Year II to end of December of Year III (42 weeks)—clinical sciences; Phase III, January of Year III to end of May of Year IV (68 weeks)—clinical clerkships and a 12-week basic science block. The content of the entire curriculum can be considered under four major headings: core (50 percent), options (20 percent), electives (25 percent), and scheduled free time (5 percent).

Instruction is in English.

Requirements for Entrance. Applicants must be in the final year of their degree program. Specific requirements include full courses in the following:

	Courses
Cell and molecular biology	1
General chemistry	1
Organic chemistry	1
General physics	1

A course in human and/or mammalian physiology is recommended.

The MCAT is required.

Successful applicants from the province of Quebec colleges of general and professional education will be accepted into a five-year program (a medical preparatory year taken in the Faculty of Science followed by the four-year medical curriculum).

Applicants for advanced standing are considered for entry into Phase IB (September of second year) or Phase II (mid-December of second year).

Selection Factors. Early application is encouraged. Applicants will be required to submit a full application, which must be accompanied by a nonrefundable $15 (Canadian funds) application fee. After a review of the submitted application material, the Admissions Committee decides which applicants will be invited to come to the Faculty of Medicine offices for interviews with committee members. Applicants are judged on the basis of academic achievement (entire academic record and MCAT scores) and personal qualities and attitudes (an autobiographical letter, letters of references, and interviews).

Preference is given to applicants from the province of Quebec. Although the great majority of the entering class is below age 27, older applicants with exceptional qualifications will be considered.

Accepted students for the 1981 entering class had a GPA of 3.7 (based on 4.0 scale) and the following MCAT mean scores: *B*-9.2, *C*-9.9, *P*-9.6, *SP*-9.6, *SA:R*-9.0, *SA:Q*-9.3.

Financial Aid. A limited amount of financial aid in the form of scholarships, bursaries, and loans is available to students in all years. Detailed information is available from: Student Aid Office, McGill University, 3637 Peel Street.

Timetable of Application and Acceptance for 1983-84 First-Year Class

Filing of application
  Earliest date: Aug. 1, 1982
  Latest date: Dec. 1, 1982 (out-of-province applicants); March 1, 1983 (Quebec resident applicants)
School application fee to all applicants: $15
Acceptance notice to regular applicants
  Earliest date: March 1, 1983
  Latest date: varies
Does not have Early Decision Plan
Applicant's response to acceptance offer
  Maximum time: 2 weeks
Deposit to hold place in class: none
Estimated number of new entrants: 160
Starting date: Aug. 25, 1983

Expenses per Year for 1981-82 First-Year Class

Tuition
  Canadian: $719
  Non-Canadian: $4,128
Student fees: $135
Microscope rental available from school: $35
Total average figure for all other expenses: $5,500

Information on 1981-82 First-Year Class

Number of	*In-Province*	*Out-of-Province*	*U.S.*	*Foreign*	*Total*
Applicants*	749	334	419	72	1,574
New Entrants †	125	18	16	1	160

*30% were interviewed.
†100% were interviewed and took the MCAT; 67% had four or more years of college.

NOTE: Above fees and expenses are in Canadian dollars.

University of Montreal Faculty of Medicine

Dr. Yvon Gauthier, Dean

Address inquiries to:
Committee on Admissions
University of Montreal
Faculty of Medicine
P.O. Box 6207, Station A
Montreal, Quebec
Canada H3C 3T7
(514) 343-6265

General Information. The Faculty of Medicine of the University of Montreal can be traced back to a school first established in Montreal in 1843 and incorporated in 1845 under the name of Ecole de Médecine et de Chirurgie de Montréal. In 1891 the school merged with the Faculty of Medicine of the Montreal Branch of Laval University, which had been founded in 1877. In 1920, by an act of the Quebec legislature, the Montreal Branch of Laval University was granted its independence, and the school of medicine became known by its present name.

All instruction is in French, and clinical instruction is carried out at 13 affiliated teaching hospitals.

Curriculum. The curriculum is divided into three phases over a period of five years. Phase One (three sessions or one and one-half years) is devoted to essentials in basic sciences: molecular and cell biology, behavioral sciences, medical statistics, medical genetics, embryology, gross anatomy, general histology, clinical immersion, pathology, immunology, physiology, pharmacology, and Quebec health system. During Phase Two (same duration as Phase One), morphology and function, both normal and abnormal, are presented in 12 integrated multidisciplinary courses. Introduction to clinical sciences is given between Phase Two and Phase Three; the latter consists of a clerkship of 82 weeks. During the second and third years, students must take from 45 to 90 hours of elective courses offered by the medical school or other departments of the university. During the clerkship, four months are available for elective training. During the fourth year, students must take 45 hours of pharmacotherapy. Instruction is given both at the university building (courses and laboratory work) and in approved hospitals (clinical teaching).

The faculty is responsible for internship and residency training in the teaching hospitals. Various courses and symposia are organized by the continuing medical education division. Many programs of graduate studies leading to M.Sc. and Ph.D. degrees are also provided by the Faculty of Medicine.

Requirements for Entrance. A thorough knowledge of the French language is an essential prerequisite. Under the present Quebec educational system, the minimum requirements are two years of college (Sciences Program) and the diploma of collegial studies of the Department of Education (D.E.C.). The applicants from Quebec are requested to take a special psychometric test.

The college curriculum should provide a wide cultural background. Course work must include philosophy, behavioral and social sciences, French, English, mathematics, and sciences (biology, chemistry, and physics).

Selection Factors. Selection of candidates is based on scholastic records, a psychometric test, and an interview. All candidates accepted must be either Canadian citizens or landed immigrants.

Admission of foreign students is limited to a few candidates from countries having no medical school and supported by the Canadian International Development Agency (CIDA). For the 1981 entering class, 1,575 applications were received, and 195 of the 200 accepted students were residents of the province of Quebec.

Financial Aid. Financial aid is available to students through the Bursaries Division of the Department of Education, the Kellogg Foundation Loan Fund, the Scholarships and Loan Committee of the university, and the Jean Frappier Fund. Some summer scholarships are also available.

Timetable of Application and Acceptance for 1983-84 First-Year Class

Filing of application
  Earliest date: Dec. 15, 1982
  Latest date: March 1, 1983
School application fee to all applicants: $15
Acceptance notice to regular applicants
  Earliest date: May 1, 1983
  Latest date: Aug. 1, 1983

Does not have Early Decision Plan
Applicant's response to acceptance offer
  Maximum time: 10 days
Deposit to hold place in class: none
Estimated number of new entrants: 180
Starting date: Sept. 7, 1983

Expenses per Year for 1981-82 First-Year Class

Tuition: $740
Student fees: $20

Microscope rental available from school: $40
Total average figure for all other expenses: $5,000

Information on 1981-82 First-Year Class

Number of	*In-Province*	*Out-of-Province*	*Total*
Applicants*	1,391	184	1,575
New Entrants †	195	5	200

*30% were interviewed.
†100% were interviewed; 25% had baccalaureate degrees.

NOTE: Above fees and expenses are in Canadian dollars.

University of Sherbrooke
Faculty of Medicine

Dr. Jean de Margerie, Dean
Dr. Marcel Drolet, Admissions Officer
Robert Rouleau, Financial Aid Officer

Address inquiries to:
Admissions Office
University of Sherbrooke
Faculty of Medicine
Sherbrooke, Quebec
Canada J1H 5N4
(819) 565-5560

General Information. The Faculty of Medicine at the University of Sherbrooke was officially founded in February 1961 and admitted its first students in September 1966.

As required by modern medical teaching, the Faculty of Medicine is integrated into a developing Health Sciences Center to serve all members of the health team. This center includes a modern 430-bed teaching hospital. A new Department of Nursing has recently been formed which offers several programs of study at university level.

Curriculum. Formal lecturing has been reduced to a minimum. Audiovisual facilities, seminars, small group discussions, panels, field work, and case studies are used extensively. Most learning sessions integrate many disciplines representing various departments.

The M.D. degree is granted after successful completion of a four-year course. Students work in the hospital from the beginning of their first year. The fourth year is a 16-month clerkship starting immediately after the end of the third year.

Postgraduate programs are available in most departments leading to the M.Sc. or Ph.D. degree; residence training is offered in all specialties.

Requirements for Entrance. The MCAT is not required. The minimum requirement for admission is two years of college under the present Quebec educational system—College d'enseignement general et professionnel (C.E.G.E.P.). B.A. or B.Sc. degrees are fully acceptable. The minimum science curriculum is as follows:

Candidates with a B.A. or B.Sc. degree:

	Semesters
General biology (with lab)	2
General chemistry (with lab)	2
Organic chemistry (with lab)	2
General physics (with lab)	3
Mathematics through calculus Must include analytical geometry, college algebra, and trigonometry.	3

C.E.G.E.P. candidates:

College diploma (D.E.C.) with major in sciences.

The college curriculum should also provide a wide cultural background in the humanities (including philosophy and literature) and in the social and behavioral sciences (including history, psychology, and sociology). Fluency and reading ability in the French language are essential prerequisites.

Selection Factors. Admission to the Faculty of Medicine is based primarily on ability and premedical achievement, as demonstrated by scholastic records.

It is usually impossible to accept nonresidents of the province of Quebec because of the very large number of qualified applicants from Quebec.

Financial Aid. Financial aid is available to resident students through the Bursaries Division of the Provincial Ministry of Education, the Loan of Honour sponsored by La Societe Saint-Jean Baptiste, the Scholarships and Loans Committee of the university, and a few private foundations.

Timetable of Application and Acceptance for 1983-84 First-Year Class

Filing of application
  Earliest date: Dec. 1982
  Latest date: March 1, 1983
School application fee to all applicants: $15
Acceptance notice to regular applicants
  Earliest date: May 15, 1983
  Latest date: varies
Does not have Early Decision Plan

Applicant's response to acceptance offer
  Maximum time: 15 days
Deposit to hold place in class (applied to tuition): $44.50
Deposit refund: $32 refundable prior to Sept. 1983
Estimated number of new entrants: 110
Starting date: Sept. 6, 1983

Expenses per Year for 1981-82 First-Year Class

Tuition: $800
Student fees: $120

School provides microscope without charge
Total average figure for all other expenses: $1,500

Information on 1981-82 First-Year Class

Number of	*In-Province*	*Out-of-Province*	*Total*
Applicants	1,295	66	1,361
New Entrants*	107	3 †	110

*8.1% had baccalaureate degrees.
†All out-of-province new entrants were from New Brunswick.

NOTE: Above fees and expenses are in Canadian dollars.

University of Saskatchewan College of Medicine

Dr. R. G. Murray, Dean
Dr. H. J. Spooner, Assistant Dean (Undergraduate Education/Student Affairs)
C. T. S. White, Director of Administration (Financial Aid Officer)

Address inquiries to:
Admissions Secretary
University of Saskatchewan
College of Medicine
Saskatoon, Saskatchewan
Canada S7N 0W0
(306) 343-4231

General Information. The University of Saskatchewan began the teaching of medical students in a two-year course in 1926. Since 1953, when the present College of Medicine was organized, it has provided a full four-year course for the M.D. degree. In 1968 the course was expanded to five medical years.

Clinical teaching is based in the University Hospital, St. Paul's Hospital, and Saskatoon City Hospital in Saskatoon and the General Hospital and the Plains Health Centre in Regina.

The maximum size of each entering class is 60 students.

Curriculum. The policy of the College of Medicine is to provide a properly balanced program for the M.D. degree, designed to produce physicians who may either qualify for family practice or go on to further study for specialty practice, public health, or research. A course leading to the B.Sc. (Med.) degree in the basic medical sciences is offered to medical students who have completed no less than two years of the regular medical course.

The medical program at the university currently consists of one premedical year and five medical years, the final year being a 52-week junior undergraduate rotating internship. The first two and a half years of undergraduate study consist of basic sciences and some interdepartmental courses with emphasis on early contact by students with patients. The last half of the program emphasizes clinical medicine, beginning with systems teaching and clinical sciences in the third year. There is an elective program in each medical year; during the fourth year, 12 continuous weeks are devoted to special electives.

Requirements for Entrance. One full year of college work after senior matriculation (comparable with completion of a U.S. college freshman year) in an accredited college is required. At the University of Saskatchewan, a year is divided into two terms of 13 weeks each, exclusive of examinations. Credit for the following courses or their equivalents is required:

	Terms
Biology 110 (with lab)	2
Chemistry 110 (with lab)	2
Physics 111 (with lab)	2
English 110 or Language 120	2
Elective	2

The MCAT is not required.

Selection Factors. The Admissions Committee considers scholastic records, letters of recommendation, and impressions and scores gained from a personal interview with a team of four interviewers. All candidates are interviewed during an interview weekend which usually takes place in March at the College of Medicine. At the time of selection, academic performance versus interview score is weighted about 60-40. For the 1981 entering class, the average GPA was 80.5 percent, and the average interview score was 21.0 out of a possible 24 points.

The College of Medicine does not discriminate on the basis of race, sex, creed, or national origin. Applicants are required to have Canadian citizenship or landed immigrant status. Applicants will normally be required to be bona fide residents of Saskatchewan for a minimum of three years prior to the closing date of application. A maximum of three applications will be accepted from each applicant.

Financial Aid. Various loan funds and scholarships are available. A limited number of bursaries enable students to engage in research work during the summer.

Information for Minorities. Students from minority groups will be considered on their individual merits.

Timetable of Application and Acceptance for 1983-84 First-Year Class

Filing of application
  Earliest date: Sept. 1, 1982
  Latest date: Jan. 15, 1983
School application fee to all applicants: $10
Acceptance notice to regular applicants
  Earliest date: June 1, 1983
  Latest date: June 30, 1983

Does not have Early Decision Plan
Applicant's response to acceptance offer
  Maximum time: 2 weeks
Deposit to hold place in class: none
Estimated number of new entrants: 60
Starting date: Sept. 1983

Expenses per Year for 1981-82 First-Year Class

Tuition: $1,090
Student fees: $58

Student must provide microscope
Total average figure for all other expenses: $4,550

Information on 1981-82 First-Year Class

Number of	*In-Province*	*Out-of-Province*	*Total*
Applicants*	213	0	213
New Entrants †	61	0	61

*100% were interviewed.
†100% were interviewed; 29.5% had baccalaureate degrees.

NOTE: Above fees and expenses are in Canadian dollars.